

 免費電子書

學習

# HTML

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# 1: HTML

HTML H yper t ext M arkup L anguageXML". Web。

HTML 。

1.0	N / A	1994-01-01
2.0	<a href="#">RFC 1866</a>	19951124
3.2	<a href="#">W3CHTML 3.2</a>	1997114
4	<a href="#">W3CHTML 4.0</a>	1998424
4.01	<a href="#">W3CHTML 4.01</a>	19991224
	<a href="#">WHATWGHTML</a>	20141028
5.1	<a href="#">W3CHTML 5.1</a>	2016111

## Examples

HTML H yper t ext M arkup L anguage。 HTML。 CSS。 font "" [1] 。

HTML 。

```
<element_name> </element_name> <element_name>...content...</element_name>
```

HTML 。

video audio table footer 。

HTMLWeb。

video audio table footer

```
<video> <audio> <table> <footer> </html> </body>
```

.....

<p>◦

◦ <p> ◦ </p> / ◦

<p>This is a simple paragraph.</p> ◦

---

## HTML “Hello World”◦

HTML◦ .html.htm [2]HTML◦

## Web◦

```
<!DOCTYPE html>
<html lang="en">

  <head>
    <meta charset="UTF-8">
    <title>Hello!</title>
  </head>

  <body>
    <h1>Hello World!</h1>
    <p>This is a simple paragraph.</p>
  </body>

</html>
```

---

<!DOCTYPE>	HTML◦ HTML5◦ doctypes ◦
<html>	◦ </html> ◦ langISO en◦ ◦
<head>	head HTML ◦ ◦ </head> ◦
<meta>	◦ charset ◦ HTMLUTF-8 ◦ HTML <meta>◦ Meta ◦
<title>	◦ </title> ◦
<body>	

	◦ </body>◦
<h1>	<b>1</b> ◦ ◦
<p>	◦

---

1.↑ [HTML5,11.2](#)

2.↑ [.htmDOS](#)◦

**HTML** <https://riptutorial.com/zh-TW/html/topic/217/html>

## 2: Div

HTML div. div. div.

- `<div>example div</div>`

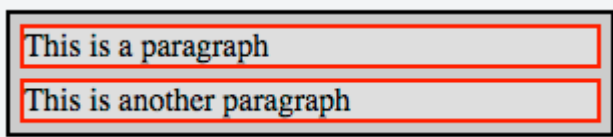
### Examples

`<div><div> "CSS.`

`<div class="outer-div"><div class="inner-div">;<p>`

```
<div class="outer-div">
  <div class="inner-div">
    <p>This is a paragraph</p>
  </div>
  <div class="inner-div">
    <p>This is another paragraph</p>
  </div>
</div>
```

### CSS



- ""

`<div>`

- 

HTML. CSS3. HTML.

div section6.

`<div>HTML. <div>`

```
<div>
  <p>Hello! This is a paragraph.</p>
</div>
```

div HTML. CSS

```
div {
  display: block;
}
```

## W3Cdiv。 div。

<article><section><nav><fieldset>。

div。

Div <https://riptutorial.com/zh-TW/html/topic/1468/div>

---

## 3: HTML 5

- “◦ appcache”

CACHE MANIFEST -

-

FALLBACK -

## Examples

### Html 5

index.html

```
<!DOCTYPE html>
<html manifest="index.appcache">
<body>
  <p>Content</p>
</body>
</html>
```

index.appcache

```
CACHE MANIFEST
index.html
```

load index.html

**HTML 5** <https://riptutorial.com/zh-TW/html/topic/8024/html-5>

# 4: HTML

## Examples

HTML

HTMLHTML

onblur	
oncontextmenu	
oninput	
oninvalid	
onreset	“”
onsearch	<input =“search”>
ONSELECT	
onsubmit	

onkeydown	
onkeypress	
onkeyup	

HTML <https://riptutorial.com/zh-TW/html/topic/10924/html>



# 5: SVG

SVG。 SVGWeb

HTML `<svg>` SVG。

SVG。

SVGXML。 HTMLSVG。 SVGCSSJavaScript。

SVG。

SVG 。

## Examples

### HTMLSVG

`<img><object>` SVG。 ◦

```

```

`<img>` CSSSVGJavaScript。

### object

```
<object type="image/svg+xml" data="attention.svg" width="50" height="50">
```

`<img>` `<object>` SVGJavaScriptCSS。

### SVG

SVGHTML。 CSSJavaScriptSVG。

```
<body>
  <svg class="attention" xmlns="http://www.w3.org/2000/svg"
  xmlns:xlink="http://www.w3.org/1999/xlink" viewBox="0 0 1000 1000" >
    <path id="attention" d="m571,767l0,-106q0,-8,-5,-13t-12,-5l-108,0q-7,0,-12,5t-
5,13l0,8,5,13t12,6l108,0q7,0,12,-6t5,-13zm-1,-208l10,-257q0,-6,-5,-10q-7,-6,-14,-6l-
122,0q-7,0,-14,6q-5,4,-5,12l9,255q0,5,6,9t13,31l103,0q8,0,13,-3t6,-9zm-7,-522l428,786q20,35,-
1,70q-10,17,-26,26t-35,10l-858,0q-18,0,-35,-10t-26,-26q-21,-35,-1,-70l429,-786q9,-17,26,-
27t36,-10t36,10t27,27z" />
  </svg>
</body>
```

### CSSSVG

```
.attention {
  fill: red;
  width: 50px;
  height: 50px;
}
```



## CSSSVG

background-imageSVG°

## HTML

```
<div class="attention"></div>
```

## CSS

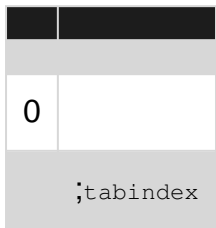
```
.attention {
  background-image: url(attention.svg);
  background-size: 100% 100%;
  width: 50px;
  height: 50px;
}
```

## CSS

```
background-image:
url(data:image/svg+xml,%3Csvg%20xmlns%3D%22http%3A%2F%2Fwww.w3.org%2F2000%2Fsvg%22%20xmlns%3Axl%3D%
106q0%2C-8%2C-5%2C-13t-12%2C-51-108%2C0q-7%2C0%2C-12%2C5t-
5%2C1310%2C106q0%2C8%2C5%2C13t12%2C61108%2C0q7%2C0%2C12%2C-6t5%2C-13Zm-1%2C-208110%2C-
257q0%2C-6%2C-5%2C-10q-7%2C-6%2C-14%2C-61-122%2C0q-7%2C0%2C-14%2C6q-5%2C4%2C-
5%2C1219%2C255q0%2C5%2C6%2C9t13%2C31103%2C0q8%2C0%2C13%2C-3t6%2C-9Zm-7%2C-
5221428%2C786q20%2C35%2C-1%2C70q-10%2C17%2C-26%2C26t-35%2C101-858%2C0q-18%2C0%2C-35%2C-10t-
26%2C-26q-21%2C-35%2C-1%2C-701429%2C-786q9%2C-17%2C26%2C-27t36%2C-
10t36%2C10t27%2C27Z%22%20%2F%3E%0D%0A%3C%2Fsvg%3E);
```

SVG <https://riptutorial.com/zh-TW/html/topic/1183/svg>

# 6: TABINDEX



W3C [tabindex](#) 32767 17.11.1-1

0<sub>tabindex</sub>

## Examples

### Tab

```
<div tabindex="0">Some button</div>
```

HTML [button](#)

### Tab

```
<button tabindex="-1">This button will not be reachable by tab</button>
```

Tab

### Tab

```
<div tabindex="2">Second</div>  
<div tabindex="1">First</div>
```

Tab `tabindex="0"button`

◦ DOM

TABINDEX <https://riptutorial.com/zh-TW/html/topic/2594/tabindex>

# 7: HTMLCSS

CSSHTML ◦ ◦ <style>◦ <link>CSS ◦ ◦

- <link rel="stylesheet" type="text/css" href="stylesheet.css">
- <style></style>

## Examples

headlink

```
<head>
  <link rel="stylesheet" type="text/css" href="stylesheet.css">
</head>
```

CDN◦ Bootstrap

```
<head>
  <link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/css/bootstrap.min.css"
integrity="sha384-BVYiisIFeK1dGmJRAkycuHAHRg32OmUcww7on3RYdg4Va+PmSTsz/K68vbdEjh4u"
crossorigin="anonymous">
</head>
```

CDN◦

<style>CSS

```
<head>
  <style type="text/css">
    body {
      background-color: gray;
    }
  </style>
</head>
```

◦

```
<head>
  <style type="text/css">
    body {
      background-color: gray;
    }
  </style>

  <style type="text/css">
    p {
      background-color: blue;
    }
  </style>
</head>
```

stylestyle

```
<span style="color: red">This text will appear in red.</span>
```

## - CSS

```
<head>  
  <link rel="stylesheet" type="text/css" href="general.css">  
  <link rel="stylesheet" type="text/css" href="specific.css">  
</head>
```

◦ general.css

```
body {  
  background-color: red;  
}
```

specific.css

```
body {  
  background-color: blue;  
}
```

◦

**HTMLCSS** <https://riptutorial.com/zh-TW/html/topic/4536/htmlcss>

# 8:

HTML90. ◦

- `<meta name="metadata name" content="value">`
- `<meta http-equiv="pragma directive" content="value">`
- `<meta charset="encoding label">`

HTMLHTML. head. ◦

keywords◦ ◦ ◦

GoogleYahooBing◦

`<meta name>` `<meta http-equiv>` ◦ `<meta name>`◦ ◦

## Examples

charsetHTMLwindows-1252 ISO-8859-2 Shift\_JISUTF-8 ◦ UTF-8 Unicode◦

```
<meta charset="UTF-8">
```

```
<meta charset="ISO-8859-1">
```

`<meta charset>`HTML 4.01

```
<meta http-equiv="content-type" content="text/html; charset=UTF-8">
```

```
<meta http-equiv="content-type" content="text/html; charset=ISO-8859-1">
```

◦

metahead

```
<meta http-equiv="refresh" content="5">
```

◦ ◦ ◦

```
<meta name="viewport">
```

```
<meta name="viewport" content="width=device-width, initial-scale=1">
```

viewport◦

`content="width=device-width` ◦ 480px wide 480px wide ◦ `initial-scale=1`1◦

width	◦ 1 device-width480
height	◦ 2 device-height600
initial-scale	◦ 1.0◦
minimum-scale	◦ 1.0◦
maximum-scale	◦ 1.0◦
user-scalable	◦ yesno ◦ ""◦ ◦ ◦

1 width width=600 width=device-width ◦

2 heightpixels height=600 device-height height=device-height ◦

#### application-name

#### Web◦

```
<meta name="application-name" content="OpenStreetMap">
```

#### Webapplication-name◦

#### author

```
<meta name="author" content="Your Name">
```

◦

#### description

```
<meta name="description" content="Page Description">
```

description◦ /◦ Google20-25◦

#### generator

```
<meta name="generator" content="HTML Generator 1.42">
```

◦ ◦

#### keywords

```
<meta name="keywords" content="Keyword1, Keyword2">
```

keywords◦

20◦ ◦

robots◦

```
<meta name="robots" content="noindex">
```

◦

/	
all	◦ index, follow ◦ ◦
noindex	◦
nofollow	
follow	◦ ◦
none	noindex, nofollow ◦
noarchive	◦
nocache	<b>Bing</b> noarchive◦
nosnippet	◦
noodp	<b>Open Directory</b> ◦
notranslate	◦
noimageindex	◦
unavailable_after [RFC-850 date/time]	/◦ <b>RFC 850</b> /◦

index/follow◦ **robots.txt**◦ index, ..., noindex ◦

iOS<sub>tel</sub>◦ ISBN◦

SafariWebKit

```
<meta name="format-detection" content="telephone=no">
```

Open Graph◦ Facebook◦ FacebookOG◦

**Facebook / Open Graph**



```
<meta property="fb:app_id" content="123456789">
<meta property="og:url" content="https://example.com/page.html">
<meta property="og:type" content="website">
<meta property="og:title" content="Content Title">
<meta property="og:image" content="https://example.com/image.jpg">
<meta property="og:description" content="Description Here">
<meta property="og:site_name" content="Site Name">
<meta property="og:locale" content="en_US">
<meta property="article:author" content="">
<!-- Facebook: https://developers.facebook.com/docs/sharing/webmasters#markup -->
<!-- Open Graph: http://ogp.me/ -->
```

- [Facebook Open Graph Markup](#)

- 

## Facebook /

```
<meta charset="utf-8">
<meta property="op:markup_version" content="v1.0">

<!-- The URL of the web version of your article -->
<link rel="canonical" href="http://example.com/article.html">

<!-- The style to be used for this article -->
<meta property="fb:article_style" content="myarticlestyle">
```

- [Facebook](#)

- 

## Twitter ◦ ◦

```
<meta name="twitter:card" content="summary">
<meta name="twitter:site" content="@site_account">
<meta name="twitter:creator" content="@individual_account">
<meta name="twitter:url" content="https://example.com/page.html">
<meta name="twitter:title" content="Content Title">
<meta name="twitter:description" content="Content description less than 200 characters">
<meta name="twitter:image" content="https://example.com/image.jpg">
```

- [Twitter](#)
- [Twitter](#)

## Google+ / Schema.org

```
<link href="https://plus.google.com/+YourPage" rel="publisher">
<meta itemprop="name" content="Content Title">
<meta itemprop="description" content="Content description less than 200 characters">
<meta itemprop="image" content="https://example.com/image.jpg">
```

◦

5example.com

```
<meta http-equiv="refresh" content="5;url=https://www.example.com/" />
```

example.com

```
;url=
```

Chrome for Android

。

## Android Chrome

```
<meta name="mobile-web-app-capable" content="yes">
```

## IOS

```
<meta name="apple-mobile-web-app-capable" content="yes">
```

。

## Android Chrome

```
<meta name="theme-color" content="black">
```

## IOS

```
<meta name="apple-mobile-web-app-status-bar-style" content="black">
```

<https://riptutorial.com/zh-TW/html/topic/1264/>

# 9:

- `<element lang="language_code">` < - [\[ISO 639-1\] https://en.wikipedia.org/wiki/ISO\\_639-1](https://en.wikipedia.org/wiki/ISO_639-1) - >

lang **BCP 47** ◦

[BANA 47IANA](#) ◦

WCAG 2.0

- [3.1.1](#)
- [3.1.2](#)

WCAG 2.0

- [H57html](#)
- [H58](#)

## Examples

lang

```
<p lang="en">The content of this element is in English.</p>
```

```
<p lang="en" title="The value of this attribute is also in English.">The content of this element is in English.</p>
```

```
<div lang="en">
  <p>This element contains English content.</p>
  <p title="This attribute, too.">Same with this element.</p>
</div>
```

“”

```
<p lang="en">This English sentence contains the German word <span lang="de">Hallo</span>.</p>
```

applet base basefont br frame frameset hr iframe meta param [langscript](#) **HTML 4.0**“”

```
<p lang="en" title="An English paragraph">
  <span lang="de" title="A German sentence">Hallo Welt!</span>
</p>
```

html

```
<html lang="en">
```

lang ◦

lang“”。

[hreflang](#)<a><area> ◦ ◦ [BCP 47](#) [1]。

```
<p>  
  <a href="example.org" hreflang="en">example.org</a> is one of IANA's example domains.  
</p>
```

---

1. ^ IETF RFC 5646 IETF20099

<https://riptutorial.com/zh-TW/html/topic/737/>

# 10:

class	◦ ID ◦
contenteditable	◦
contextmenu	◦
dir	◦
draggable	◦
hidden	◦
id	◦ ID ◦
lang	◦ ◦
spellcheck	/◦
style	CSS◦
tabindex	◦
title	◦
translate	◦

◦

## Examples

```
<p contenteditable>This is an editable paragraph.</p>
```

◦

contenteditable◦

```
<p contenteditable>
  This is an editable paragraph.
  <span contenteditable="false">But not this.</span>
</p>
```

◦

<https://riptutorial.com/zh-TW/html/topic/2811/>

---

# 11:

HTML5.

## Examples

<article>RSS.

- `article` `article`.

`article` `article` `section`.

```
<section>
  <!-- Each individual blog post is an <article> -->
  <article>
    <header>
      <h1>Blog Post</h1>
      <time datetime="2016-03-13">13th March 2016</time>
    </header>

    <p>The article element represents a self contained article or document.</p>
    <p>The section element represents a grouping of content.</p>

    <section>
      <h2>Comments <small>relating to "Blog Post"</small></h2>

      <!-- Related comment is also a self-contained article -->
      <article id="user-comment-1">
        <p>Excellent!</p>
        <footer><p>...</p><time>...</time></footer>
      </article>
    </section>
  </article>

  <!-- ./repeat: <article> -->

</section>

<!-- Content unrelated to the blog or posts should be outside the section. -->
<footer>
  <p>This content should be unrelated to the blog.</p>
</footer>
```

---

◦ `<article><main>`

```
<article>
  <p>This doesn't make sense, this article has no real `context`.</p>
</article>
```

`<main>`main.

```
<main>
  <p>I'm the main content, I don't need to belong to an article.</p>
</main>
```

`<main>` [ARIA HTML5](#)◦

```
<section role="main">
  <p>This section is the main content of this page.</p>
</section>
```

- `<main>` `<article>``<main>`

`<article>` [HTML5](#)

`<main>` ◦ ◦ ◦

- `<main>` ◦
- `<main>` `article` `aside` `footer` `headernav`◦

◦

```
<body>
  <header>
    <nav>...</nav>
  </header>

  <main>
    <h1>Individual Blog Post</h1>
    <p>An introduction for the post.</p>

    <article>
      <h2>References</h2>
      <p>...</p>
    </article>

    <article>
      <h2>Comments</h2> ...
    </article>
  </main>

  <footer>...</footer>
</body>
```

- `<main>`◦
- `<header>``<footer>``<main>` ◦

[HTML5](#)`<main>`◦

- [ARIA](#) `main` `presentation`

`role="main"` [ARIA HTML5](#)`<main>`◦



<main>◦

<main>HTML5

<nav>◦

---

◦

```
<nav>
  <a href="https://google.com">Google</a>
  <a href="https://www.yahoo.com">Yahoo!</a>
  <a href="https://www.bing.com">Bing</a>
</nav>
```

---

◦

role="navigation" ◦

```
<nav role="navigation">
  <ul>
    <li><a href="https://google.com">Google</a></li>
    <li><a href="https://www.yahoo.com">Yahoo!</a></li>
    <li><a href="https://www.bing.com">Bing</a></li>
  </ul>
</nav>
```

---

<footer>FAQTC◦ <nav><footer>◦

```
<!-- the <nav> is not required in the <footer> -->
<footer>
  <nav>
    <a href="#">...</a>
  </nav>
</footer>

<!-- The footer alone is sufficient -->
<footer>
  <a href="#">...</a>
</footer>
```

- <main> <nav><main>

<nav>role="navigation" [ARIA HTML5](#)HTML5◦

```
<nav role="navigation"><!-- ... --></nav>
```

:(

<nav>◦

- <nav>
- 
- <nav><nav> ◦

## <nav>HTML5

<section>◦ section◦

- <article><section>◦
- 
- <section>“”◦  
<div> ◦

◦

```
<article>
  <header>
    <h2>Blog Post</h2>
  </header>
  <p>An introduction for the post.</p>
  <section>
    <h3>Chapter 1</h3>
    <p>...</p>
  </section>
  <section>
    <h3>Chapter 2</h3>
    <p>...</p>
  </section>
  <section>
    <h3>Comments</h3> ...
  </section>
</article>
```

---

### article◦

## <main>HTML5

<header>◦ <header>◦

### header;◦

```
<header>
  <p>Welcome to...</p>
  <h1>Voidwars!</h1>
</header>
```

<article><header> ◦

```
<article>
```

```
<header>
  <h1>Flexbox: The definitive guide</h1>
</header>
<p>The guide about Flexbox was supposed to be here, but it turned out Wes wasn't a Flexbox
expert either.</p>
</article>
```

---

## W3C

```
<footer>◦
```

```
p<footer>◦
```

```
<footer>
  <p>All rights reserved</p>
</footer>
```

<https://riptutorial.com/zh-TW/html/topic/311/>

# 12:

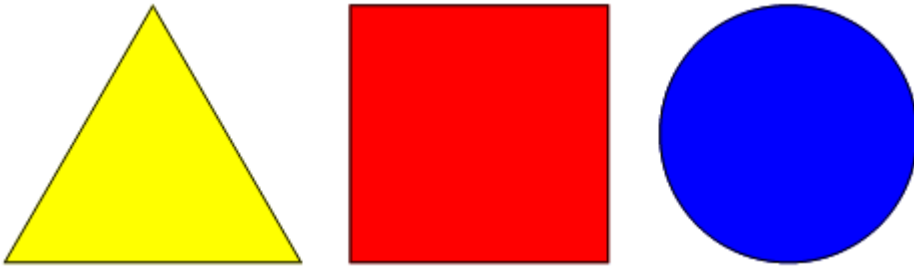
- `<img usemap="#[map-name]">`
- `<map name="[map-name]"></map>`
- `<area>`

<code>/</code>	
<code>&lt;img&gt;</code>	<code>&lt;img&gt;</code> ◦ <code>&lt;img&gt;</code> ◦
<code>usemap</code>	<code>name</code> ◦ <code>name="map"</code> <code>name="map"</code> <code>usemap="#map"</code> ◦
<code>&lt;map&gt;</code>	
<code>name</code>	◦ <code>usemap</code> ◦
<code>&lt;area&gt;</code>	<code>&lt;area&gt;</code> ◦ <code>href</code> <code>&lt;area&gt;</code> <code>&lt;area&gt;</code> <code>ping</code> <code>&lt;a&gt;</code> ◦ <a href="#">MDN</a> ◦
<code>alt</code>	◦ <code>&lt;area&gt;</code> <code>href</code> <code>href</code> ◦
<code>coords</code>	◦ <code>shape="polygon"</code> <b>"xy"</b> <code>shape="polygon"</code> <code>coords="x1, y1, x2, y2, x3, y3, ..."</code> ◦ <code>shape="rectangle"</code> <code>left, top, right, bottom</code> ◦ <code>shape="circle"</code> <code>centerX, centerY, radius</code> ◦
<code>href</code>	<code>URL</code> ◦ <code>&lt;area&gt;</code> ◦
<code>shape</code>	<code>&lt;area&gt;</code> ◦ <code>default</code> <code>coords</code> <code>circle</code> <code>circ</code> <code>rectangle</code> <code>rect</code> <code>polygon</code> <code>poly</code> ◦

- [MDN](#) `<map>` `<area>` ◦
- [GIMP](#) ◦ ◦

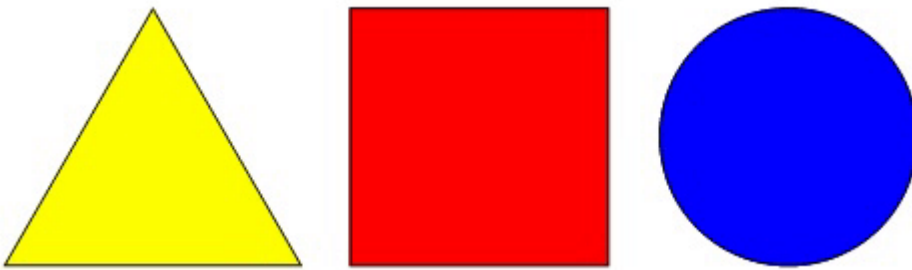
## Examples

```
<img> <map><area><map> ◦ usemapname ◦
```



```
  
<map name="shapes">  
  <area shape="polygon" coords="79,6,5,134,153,134">  
  <area shape="rectangle" coords="177,6,306,134">  
  <area shape="circle" coords="397,71,65">  
</map>
```

- JSFiddle



<https://riptutorial.com/zh-TW/html/topic/3819/>

# 13:

- `<img src="" alt="">`

src	URL
srcset	
sizes	
crossorigin	crossorigin
usemap	
ismap	
alt	
width	
height	

## Examples

◦

img ◦ imgsrc alt ◦

```

```

### Web URL

```

```

HTMLHTML ◦ `<img>` ◦

### base64

```

```

`<img>``<a>` ◦

◦ ◦

widthheight

```

```

widthheight。 “”。

## 4.1

### CSS。

```
  
  
  

```

### CSS;。 。 widthheight。

```
  
  

```

```

```

```
  

```

### Alt-text。 。

#### alt。

```
<!-- Incorrect -->  
 An anonymous user wrote:  
<blockquote>Lorem ipsum dolor sed.</blockquote>  
<a href="https://google.com/"></a> /  
<a href="https://google.com/"></a>
```

Lorem ipsum dolor sed。

/

- 。 。 1
- alt-text“”。

```
<!-- Correct -->  
 An anonymous user wrote:  
<blockquote>Lorem ipsum dolor sed.</blockquote>  
<a href="https://google.com/"></a> /  
<a href="https://google.com/"></a>
```

Lorem ipsum dolor sed。

/

<sup>1</sup>alt。 alt - 。 alt。

## srcset

---

# srcset

```

```

sizes sizes ◦

- 1200px580px1200px ◦ ◦
- 640px1200px48◦
- 640px98◦ ◦

srcset ◦

- img/hello-300.jpg300px
- img/hello-600.jpg600px
- img/hello-900.jpg 900.jpg900px
- img/hello-1200.jpg1200px

src ◦ srcsetsrcset src ◦

---

# srcset

```

```

srcsetx ◦

- 1img/hello-300.jpg
- 2img/hello-600.jpg
- 3img/hello-1200.jpg

src ◦ srcsetsrcset src ◦

```
<picture>
  <source media="(min-width: 600px)" srcset="large_image.jpg">
  <source media="(min-width: 450px)" srcset="small_image.jpg">
  
</picture>
```



◦

- > 600pxlarge\_image.jpg
- > 450pxsmall\_image.jpg
- default\_image.jpg

<https://riptutorial.com/zh-TW/html/topic/587/>

# 14: HTMLJavaScript

- `<script type="text/javascript"> //some code </script>`
- `<script type="text/javascript" src="URL"></script>`
- `<script type="text/javascript" src="URL" async>//async code</script>`

src	JavaScript。 URL。
type	MIME。 HTML4HTML5。
async	。 XHTML。
defer	。 XHTML。
charset	UTF-8
crossorigin	crossorigin
nonce	CSP3

JavaScript<http://stackoverflow.com/documentation/javascript/503/document-object-model-dom>

`<script></script></body>`JavaScriptjQueryDOM。

## Examples

### JavaScript

```
<script src="example.js"></script>
```

srchrefURL。 HTML。 html<head>

### JavaScript

#### HTMLJS

```
<script>  
// JavaScript code  
</script>
```

### JavaScript

```
<script type="text/javascript" src="URL" async></script>
```

### Javascript

JavascriptJavascript◦ <noscript>◦ Javascript<noscript>◦

```
<script>
  document.write("Hello, world!");
</script>
<noscript>This browser does not support Javascript.</noscript>
```

HTMLJavaScript <https://riptutorial.com/zh-TW/html/topic/3719/htmljavascript>

# 15:

	o
	o
<source>	

		FirefoxGecko	IE		
	3.0	3.51.9.1	9	10.50	3.1
<audio> WAVEPCM		3.51.9.1		10.50	3.1
<audio> WebMVorbis		4.02.0		10.60	3.1
<audio> MSEWebMVorbis / Opus		36.0			
<audio> OggVorbis		3.51.9.1		10.50	
<audio> MP3			9		3.1
<audio> MP4MP3					
<audio> MP4AAC			9		3.1
<audio> OggOpus	27.0	15.015.0			
<video> WebMVP8Vorbis	6	4.02.0	9	10.60	3.1
<video> WebMVP9Opus	29.0	28.028.0			
<video> MSEWebM		42.042.0			
<video> OggTheoraVorbis		3.51.9.1		10.50	
<video> MP4H.264MP3			9		
<video> MP4H.264AAC			9		3.1
					3.1

# Examples

'''/

HTML<audio>/◦ //◦ src<source>;◦

```
<!-- Simple video example -->
<video src="videofile.webm" autoplay poster="posterimage.jpg">
  Sorry, your browser doesn't support embedded videos,
  but don't worry, you can <a href="videofile.webm">download it</a>
  and watch it with your favorite video player!
</video>

<!-- Video with subtitles -->
<video src="foo.webm">
  <track kind="subtitles" src="foo.en.vtt" srclang="en" label="English">
  <track kind="subtitles" src="foo.sv.vtt" srclang="sv" label="Svenska">
</video>

<!-- Simple video example -->
<video width="480" controls poster="https://archive.org/download/WebmVp8Vorbis/webmvp8.gif" >
  <source src="https://archive.org/download/WebmVp8Vorbis/webmvp8.webm" type="video/webm">
  <source src="https://archive.org/download/WebmVp8Vorbis/webmvp8_512kb.mp4" type="video/mp4">
  <source src="https://archive.org/download/WebmVp8Vorbis/webmvp8.ogv" type="video/ogg">
  Your browser doesn't support HTML5 video tag.
</video>
```

```
<!-- Simple audio playback -->
<audio src="http://developer.mozilla.org/@api/deki/files/2926/=AudioTest_(1).ogg" autoplay>
  Your browser does not support the <code>audio</code> element.
</audio>

<!-- Audio playback with captions -->
<audio src="foo.ogg">
  <track kind="captions" src="foo.en.vtt" srclang="en" label="English">
  <track kind="captions" src="foo.sv.vtt" srclang="sv" label="Svenska">
</audio>
```

## HTML5.

<audio>

```
<audio controls>
  <source src="file.mp3" type="audio/mpeg">
  Your browser does not support the audio element.
</audio>
```

<video>

```
<video width="500" height="700" controls>
  <source src="video.mp4" type="video/mp4">
  Your browser does not support the video tag.
</video>
```

◦ ◦

```
<video width="1280" height="720" autoplay muted loop poster="video.jpg" id="videobg">
  <source src="video.mp4" type="video/mp4">
  <source src="video.webm" type="video/webm">
  <source src="video.ogv" type="video/ogg">
</video>
```

CSS。 video.jpg。

```
#videobg {
  background: url(video.jpg) no-repeat;
  background-size: cover;
}
```

<https://riptutorial.com/zh-TW/html/topic/2111/>

---

# 16:

## Examples

ulli。

```
<ul>
  <li><a href="#">Home</a></li>
  <li><a href="#">About</a></li>
  <li><a href="#">Contact</a></li>
</ul>
```

## HTML5

HTML5 navnav。

```
<nav>
  <a href="#">Home</a>
  <a href="#">About</a>
  <a href="#">Contact</a>
</nav>
```

<https://riptutorial.com/zh-TW/html/topic/10725/>

---

# 17:

src	
type	
width	
height	

## Examples

embedHTML5。 HTML。

```
<embed src="myflash.swf">
```

## MIME

typeMIME。

```
<embed type="video/mp4" src="video.mp4" width="640" height="480">
```

<https://riptutorial.com/zh-TW/html/topic/8123/>



# 18:



- 9Internet Explorer. [caniuse.com](https://caniuse.com).
- `canvas` JavaScript.

## Examples

`canvas` HTML5.

```
<canvas id="myCanvas">
  Cannot display graphic. Canvas is not supported by your browser (IE<9)
</canvas>
```

300x150HTML `<canvas>`

`canvas` JavaScript.

`canvas` 2D Object `CanvasRenderingContext2D`; `.getContext("2d")` HTMLCanvasElement

```
var ctx = document.getElementById("myCanvas").getContext("2d");
// now we can refer to the canvas's 2D layer context using `ctx`

ctx.fillStyle = "#f00";
ctx.fillRect(0, 0, ctx.canvas.width, ctx.canvas.height); // x, y, width, height

ctx.fillStyle = "#000";
ctx.fillText("My red canvas with some black text", 24, 32); // text, x, y
```

[jsFiddle](#)

**a**

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="utf-8" />
  <title>Draw two rectangles on the canvas</title>
  <style>
    canvas{
      border:1px solid gray;
    }
  </style>
  <script async>
    window.onload = init; // call init() once the window is completely loaded
    function init(){
      // #1 - get reference to <canvas> element
      var canvas = document.querySelector('canvas');
```

```
// #2 - get reference to the drawing context and drawing API
var ctx = canvas.getContext('2d');

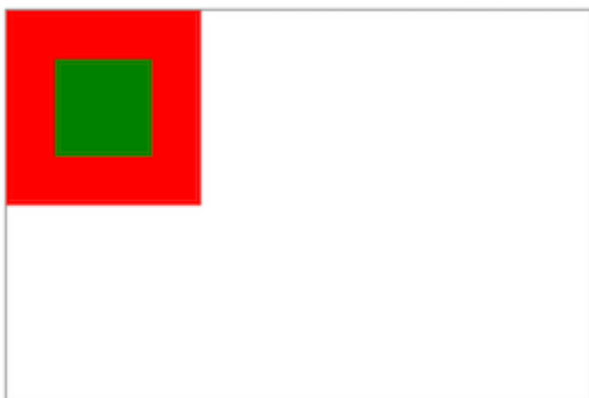
// #3 - all fill operations are now in red
ctx.fillStyle = 'red';

// #4 - fill a 100x100 rectangle at x=0,y=0
ctx.fillRect(0,0,100,100);

// #5 - all fill operations are now in green
ctx.fillStyle = 'green';

// #6 - fill a 50x50 rectangle at x=25,y=25
ctx.fillRect(25,25,50,50);

}
</script>
</head>
<body>
  <canvas width=300 height=200>Your browser does not support canvas.</canvas>
</body>
</html>
```



<https://riptutorial.com/zh-TW/html/topic/1162/>

# 19:

HTML。 HTML。

- `<form method="post|get" action="somePage.php" target="_blank|_self|_parent|_top|framename">`

accept-charset	。
action	。
autocomplete	。
enctype	method =“post”。
method	POSTGETHTTP。
name	。
novalidate	。
target	。

`<form><button> <fieldset> <input> <label> <output> <select> <textarea> 。` `<form> </form> 。`

## Examples

action。

```
<form action="action.php">
```

methodHTTPGETPOST。

```
<form action="action.php" method="get">  
<form action="action.php" method="post">
```

GETID。 GETactionURL。

```
www.example.com/action.php?firstname=Mickey&lastname=Mouse
```

POST。 POSTURL。

。

*lastname*

```
<input type="text" name="lastname" value="Mouse">
```

```
<form action="action.php" method="post" target="_blank" accept-charset="UTF-8"
enctype="application/x-www-form-urlencoded" autocomplete="off" novalidate>
```

```
<!-- form elements -->
```

```
</form>
```

target。

target。

## Tag

```
<form target="_blank">
```

---

—	
—	
_parent	
—	
<i>framename</i>	iframe

**HTML 4.01。** *HTML5* target。

***HTML5\_parent\_topframenameiframe***。

formenctypemultipart/form-data/。 enctype。

```
<form method="post" enctype="multipart/form-data" action="upload.php">
  <input type="file" name="pic" />
  <input type="submit" value="Upload" />
</form>
```

。 。 。

## LEGEND TEXT

```
<form>
  <fieldset>
    <legend>1st field set:</legend>
    Field one:<br>
    <input type="text"><br>
    Field two:<br>
```

```
<input type="text"><br>
</fieldset><br>
<fieldset>
  <legend>2nd field set:</legend>
  Field three:<br>
  <input type="text"><br>
  Field four:<br>
  <input type="text"><br>
</fieldset><br>
<input type="submit" value="Submit">
</form>
```

1st field set:

Field one:

Field two:

2nd field set:

Field three:

Field four:

ChromeIEEdgeFireFoxSafariOpera

<https://riptutorial.com/zh-TW/html/topic/1160/>

# 20:

- `<element data-custom-name="somevalue">`



## Examples

### HTML5 `data-*` HTML JavaScript

```
<div data-submitted="yes" class="user_profile">  
  ... some content ...  
</div>
```

- `data-* data-o`
- `data-*jsono`

### HTML5 HTML5

### HTML

### WebHTML `bellow` `value<img>value`

```

```

### JavaScript `setAttribute` `getAttribute` `dataset`

<https://riptutorial.com/zh-TW/html/topic/1182/>

# 21:

## HTML HTML。 HTML。

- `<abbr>Abbreviation</abbr>`
- `<b>Bold Text</b>`
- `<del>Deleted Text</del>`
- `<em>Emphasized Text</em>`
- `<i>Italic Text</i>`
- `<ins>Inserted Text</ins>`
- `<mark>Marked (or Highlighted) Text</mark>`
- `<s>Stricken Text</s>`
- `<strong>Strong Text</strong>`
- `<sub>Subscript Text</sub>`
- `<sup>Superscript Text</sup>`
- `<u>Underlined Text</u>`

## Examples

`<strong><b>`

```
<strong>Bold Text Here</strong>
```

```
<b>Bold Text Here</b>
```

◦ `<strong>` ◦ `<b>` ◦

`<b>` - ◦ `<strong>` ◦

---

`<em><i>`

```
<em>Italicized Text Here</em>
```

```
<i>Italicized Text Here</i>
```

◦ `<em><i>` ◦

`<em>` “”

`<i>` “ ” ◦

---

HTMI 4 `<u>` HTML 5 - ◦ ◦

```
<p>This paragraph contains some <u>mispelled</u> text.</p>
```

<mark>HTML5“”。 1

。

```
<p>Here is some content from an article that contains the <mark>searched query</mark> that we are looking for. Highlighting the text will make it easier for the user to find what they are looking for.</p>
```

Here is some content from an article that contains the searched query that we are looking for. Highlighting the text will make it easier for the user to find what they are looking for.

CSS。

<ins>

```
<ins>New Text</ins>
```

<del>

```
<del>Deleted Text</del>
```

<s>

```
<s>Struck-through text here</s>
```

<sup><sub> 。

```
<sup>superscript here</sup>
```

```
<sub>subscript here</sub>
```

<abbr>

```
<p>I like to write <abbr title="Hypertext Markup Language">HTML</abbr>!</p>
```

title。

<https://riptutorial.com/zh-TW/html/topic/526/>



# 22:

Doctypes - "" - HTML。 DoctypeHTML。 HTMLdoctypes。

- <DOCTYPE []>

<!DOCTYPE>HTML。 HTML。 DTD。

<!DOCTYPE>。 [HTMLW3C](#)。

- doctypeIEHTML。
- doctype。 [MDN](#)。

## Examples

### Doctype

<!DOCTYPE>HTML<html>。

[HTML 5 DoctypeHTML 5 Doctype](#)。

```
<!DOCTYPE html>
```

### 4.01

[HTML 4.01 Doctypes](#)。

```
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01//EN" "http://www.w3.org/TR/html4/strict.dtd">
```

```
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">
```

```
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01 Frameset//EN"
"http://www.w3.org/TR/html4/frameset.dtd">
```

### HTML 4.01 Doctypes

HTML 4.01doctypes。

### HTML 4.01

```
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01//EN" "http://www.w3.org/TR/html4/strict.dtd">
```

HTML ◦

## HTML 4.01 Transitional

```
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">
```

HTML ◦

## HTML 4.01

```
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01 Frameset//EN"
"http://www.w3.org/TR/html4/frameset.dtd">
```

HTML◦ ◦

## HTML 5 Doctype

HTML5SGMLDTD◦

HTML 5 Doctype

```
<!DOCTYPE html>
```

[W3.org HTML 5 DOCTYPE](#)

### DOCTYPE

1. "<!DOCTYPE"ASCII ◦

DOCTYPE

```
<!doctype html>
<!dOcTyPe html>
<!DocTYpe html>
```

SO [doctype](#)

## Doctypes

## HTML 3.2

```
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 3.2 Final//EN">
```

HTML 3.2◦ HTML 3.2HTML 4◦

## HTML 2.0

```
<!DOCTYPE HTML PUBLIC "-//IETF//DTD HTML//EN">
```

HTML 2.0。

<https://riptutorial.com/zh-TW/html/topic/806/>

## 23:

- `<label>Example <input type="radio" name="r"></label> //`
- `<label for="rad1">Example</label> <input id="rad1" type="radio" name="r"> //for`

ID	for="surname"
HTML5 []	<form> form="someFormId"Label

## Examples

.....

```
<form action="/login" method="POST">

  <label for="username">Username:</label>
  <input id="username" type="text" name="username" />

  <label for="pass">Password:</label>
  <input id="pass" type="password" name="pass" />

  <input type="submit" name="submit" />

</form>
```

```
<form id="my-form" action="/login" method="POST">

  <input id="username" type="text" name="username" />

  <label for="pass">Password:</label>
  <input id="pass" type="password" name="pass" />

  <input type="submit" name="submit" />

</form>

<label for="username" form="my-form">Username:</label>
```

```
<label>
/radiocheckbox
```

**<label>**

```
<label>
  <input type="checkbox" name="Cats">
  I like Cats!
</label>
```

input/

**<label>**

forlabel - for**ID**

```
<input id="cats" type="checkbox" name="Cats">  
<label for="cats" >I like Cats!</label>
```

<label>

<https://riptutorial.com/zh-TW/html/topic/1704/>

# 24:

`citeblockquote`

## Examples

**q**

```
<p>She wrote <q>The answer is 42.</q> and everyone agreed.</p>
```

4.01

- HTML 4.01. HTML 4.0.

- ◦

**URL** `cite`

`citeURL`

```
<p>She wrote <q cite="http://example.com/blog/hello-world">The answer is 42.</q> and everyone agreed.</p>
```

**URL** `a`

**blockquote**

```
<blockquote>
  <p>The answer is 42.</p>
</blockquote>
```

**URL** `cite`

`citeURL`

```
<blockquote cite="http://example.com/blog/hello-world">
  <p>The answer is 42.</p>
</blockquote>
```

**URL** `a/`

/

4.01

`/blockquote`

```
<blockquote cite="http://example.com/blog/hello-world">
  <p>The answer is 42.</p>
</blockquote>
<p>Source: <cite><a href="http://example.com/blog/hello-world" rel="external">Hello
World</a></cite></p>
```

div°

**cite**°

**/URL**blockquote citefooter

```
<blockquote cite="http://example.com/blog/hello-world">
  <p>The answer is 42.</p>
  <footer>
    <p>Source: <cite><a href="http://example.com/blog/hello-world" rel="external">Hello
World</a></cite></p>
  </footer>
</blockquote>
```

**cite**°

<https://riptutorial.com/zh-TW/html/topic/2943/>

# 25:

- `<pre>Formatted text</pre>`
- `<code>Inline Code</code>`

code `"` HTML5

- 
- /
- 

var °

samp °

kbd °

## Examples

HTML`code`

```
<p>The <a> element creates a hyperlink.</p>
```

```
□
```

precode

```
<pre>
  <code>
    x = 42
    if x == 42:
        print "x is ...      ... 42"
  </code>
</pre>
```

HTML`< with &lt;` HTML `<p>This is a paragraph.</p>`

```
<pre>
  <code>
    &lt;p>This is a paragraph.&lt;/p>
  </code>
</pre>
```

<https://riptutorial.com/zh-TW/html/topic/1836/>



---

# 26:

## HTML。 1616。 ◦

- `<h1>...</h1>`
- `<h2>...</h2>`
- `<h3>...</h3>`
- `<h4>...</h4>`
- `<h5>...</h5>`
- `<h6>...</h6>`
  
- h1 - h6 ◦ [1](#)
  
- h1 - h6 CSS `display: block` ◦ [2](#)
  
- h1 - h6 [section](#)
  
- h1 - h6 head ◦
  
- 
  
- CSS `font-size` `margin` ◦ h1 - h6 CSS [W3C](#) `font-size`
  
- h1 h2 h3 ..... ◦

## Examples

`<h1><h6>` ◦ ◦

- `<h1>` ◦
- `<h6>` ◦

```
<h1>Heading 1</h1>
<h2>Heading 2</h2>
<h3>Heading 3</h3>
<h4>Heading 4</h4>
<h5>Heading 5</h5>
<h6>Heading 6</h6>
```

---

◦

h1 h2 - ◦ h1 ◦

```
<h1>Main title</h1>
<p>Introduction</p>

<h2>Reasons</h2>
```

```
<h3>Reason 1</h3>  
<p>Paragraph</p>
```

```
<h3>Reason 2</h3>  
<p>Paragraph</p>
```

```
<h2>In conclusion</h2>  
<p>Paragraph</p>
```

<https://riptutorial.com/zh-TW/html/topic/226/>

# 27:

HTML。 HTML。

<p>	
<pre>	

## Examples

HTML

HTML <p>

```
<p>This is a paragraph.</p>
<p>This is another paragraph.</p>
```

-

HTML。

。

HTMLHTML。

```
<p>This is          another      paragraph, extra spaces  will be  removed  by
browsers</p>
```

<https://riptutorial.com/zh-TW/html/topic/7997/>

# 28:

## HTML。 HTML。

- `<ol>` ordered list items `</ol>`
- `<ul>` unordered list items `</ul>`
- `<li>` list item (ordered and not) `</li>`
- `<dl>` description list items `</dl>`
- `<dt>` description list title `</dt>`
- `<dd>` description list description `</dd>`

## CSS`<ul style="list-style-type:disc">`。 list-style-types

- “list-style-typedisc”。
- “list-style-typecircle”。
- “list-style-typesquare”。
- “list-style-typenone”。

`<ol>`type`<ol type="1">`。

- type =“1”。
- type =“A”
- type =“a”
- type =“I”
- type =“i”

## Examples

`<ul><li>`

```
<ul>
  <li>Item</li>
  <li>Another Item</li>
  <li>Yet Another Item</li>
</ul>
```

- 
- 
- 

ul。 `<ol>`。

`<ol><li>`

```
<ol>
  <li>Item</li>
  <li>Another Item</li>
  <li>Yet Another Item</li>
</ol>
```

- 1.
- 2.
- 3.

---

◦ start ◦ 1◦

```
<ol start="3">
  <li>Item</li>
  <li>Some Other Item</li>
  <li>Yet Another Item</li>
</ol>
```

- 3.
- 4.
- 5.

◦ 1◦

```
<li value="7"></li>
```

value ◦ 744◦

```
<ol start="5">
  <li>Item</li>
  <li>Some Other Item</li>
  <li value="4">A Reset Item</li>
  <li>Another Item</li>
  <li>Yet Another Item</li>
</ol>
```

5,6,4,5,6 - 6◦

startvalue - ◦

olreversed

```
<ol reversed>
  <li>Item</li>
  <li>Some Other Item</li>
  <li value="4">A Reset Item</li>
  <li>Another Item</li>
  <li>Yet Another Item</li>
</ol>
```

◦

---

typetype

```
<ol type="1|a|A|i|I">
```

1	-	1,2,3,4
a		A B C D
A		A B C D
i		IIIIIIIV
I		IIIIIIIV

ol° `<ul>` °

dl HTML5° - dtdd°

```
<dl>
  <dt>name 1</dt>
  <dd>value for 1</dd>
  <dt>name 2</dt>
  <dd>value for 2</dd>
</dl>
```

-/

```
<dl>

  <dt>name 1</dt>
  <dt>name 2</dt>
  <dd>value for 1 and 2</dd>

  <dt>name 3</dt>
  <dd>value for 3</dd>
  <dd>value for 3</dd>

</dl>
```

°

```
<ul>
  <li>item 1</li>
  <li>item 2
    <ul>
      <li>sub-item 2.1</li>
      <li>sub-item 2.2</li>
    </ul>
  </li>
  <li>item 3</li>
</ul>
```

- 1
- 2
  - 2.1
  - 2.2
-

### 3

li°

```
<ol>
  <li>Hello, list!</li>
  <li>
    <ul>
      <li>Hello, nested list!</li>
    </ul>
  </li>
</ol>
```

<https://riptutorial.com/zh-TW/html/topic/393/>

# 29: IFrame

name	iframe	src	◦
width			◦
height			◦
src			◦
srcdoc			◦ HTML
sandbox	iframe		◦ ◦ ◦
allowfullscreen	iframe	requestFullscreen()	

iframeHTML

iframe

- HTML;
- HTML - ;
- PDFIE ;

iframeiframe ◦ iframe

iframeSame-origin policy ◦ iframe

iFrame ◦ iFrameiFrame

W3Ciframe

sandbox

sandboxiframe ◦ ◦

allow-forms		◦
allow-pointer-lock	JavaScriptAPI	◦
allow-popups	window.open	<a target="_blank"



allow-same-origin	iframe. allow-scriptsiframe.
allow-scripts	. iframe.postMessage() API. allow-same-origin iframe.
allow-top-navigation	iframe.

## Examples

“IFrame” . . base.html.

```
<iframe src="base.html"></iframe>
```

widthheightIFrameHTML 4.01HTML 5CSS.

```
<iframe src="base.html" width="800" height="600"></iframe>
```

## IFrame

IframeIframeIframe. IFrameIFrame. hrefURLtargetiframeName.

```
<iframe src="webpage.html" name="myIframe"></iframe>
<a href="different_webpage.html" target="myIframe">Change the Iframe content to
different_webpage.html</a>
```

## “srcdoc”

srcdocsrciframeHTML. “IFrame”IFrame.

```
<iframe srcdoc="<p>IFrames are cool!</p>"></iframe>
```

srcdocIFramesrcsrsrcdocsrcdoc.

```
<iframe srcdoc="<p>IFrames are cool!</p>" src="base.html"></iframe>
```

srcdocbase.html.

```
<iframe sandbox src="http://example.com/"></iframe>
```

allow-scriptsalow-formssandbox attribute .

```
<iframe sandbox="allow-scripts allow-forms" src="http://example.com/"></iframe>
```

iframeJavaScript.

```
<iframe sandbox="allow-same-origin allow-top-navigation"
src="http://example.com/untrusted/comments/page2">
```

**IFrame**◦ allow-top-navigation **iframe**◦

◦

**iframe**◦ HTTP◦

**IFrame** <https://riptutorial.com/zh-TW/html/topic/499/iframe>

---

# 30:

HTML。 void。 HTMLvoid

void。 Void。

## HTML5

- area
- base
- br
- col
- embed
- hr
- img
- input
- keygen
- link
- meta
- param
- source
- track
- wbr

## Examples

HTML 4.01 / XHTML 1.0 Strictvoid

- area -
- base - URL
- br - line break
- col - []
- hr -
- img -
- input -
- link -
- meta -
- param -

HTML 5

- command - []
- keygen - Web[]
- source - picture audiovideo

void

```
<div>  
  <a href="http://stackoverflow.com/">
```

```
<h3>Click here to visit <i>Stack Overflow!</i></h3>
</a>
<button onclick="alert('Hello!');">Say Hello!</button>
<p>My favorite language is <b>HTML</b>. Here are my others:</p>
<ol>
  <li>CSS</li>
  <li>JavaScript</li>
  <li>PHP</li>
</ol>
</div>
```

## ◦ Void

```

<br>
<hr>
<input type="number" placeholder="Enter your favorite number">
```

imgvoid◦ img/◦◦

<https://riptutorial.com/zh-TW/html/topic/1449/>

# 31:

## HTML <table>Web

- <table></table>
  - <thead></thead>
  - <tbody></tbody>
  - <tfoot></tfoot>
  - <tr></tr>
  - <th></th>
  - <td></td>
- <table>/◦ ◦ ;◦
    - <table> - /◦ <table>◦
    - <caption> - figcaptionfigure
    - <col> -
    - <colgroup> -
    - <thead> -
    - <tbody> - /
    - <tfoot> -
    - <tr> -
    - <th> -
    - <td> -
  - ◦
  - **CSS**display: table ◦

<table>HTMLOutlook◦ IEOutlookTrident◦ Web<table>HTML//◦

## Examples

```
<table>
  <tr>
    <th>Heading 1/Column 1</th>
    <th>Heading 2/Column 2</th>
  </tr>
  <tr>
    <td>Row 1 Data Column 1</td>
    <td>Row 1 Data Column 2</td>
  </tr>
  <tr>
    <td>Row 2 Data Column 1</td>
    <td>Row 2 Data Column 2</td>
  </tr>
</table>
```

<tr> <table> <th> <td> ◦ <th> <td> ◦ <td><th>◦

1 / 1	2 / 2
11	12
21	22

colspan rowspan ° <th><td> °

```
<table>
  <tr>
    <td>row 1 col 1</td>
    <td>row 1 col 2</td>
    <td>row 1 col 3</td>
  </tr>
  <tr>
    <td colspan="3">This second row spans all three columns</td>
  </tr>
  <tr>
    <td rowspan="2">This cell spans two rows</td>
    <td>row 3 col 2</td>
    <td>row 3 col 3</td>
  </tr>
  <tr>
    <td>row 4 col 2</td>
    <td>row 4 col 3</td>
  </tr>
</table>
```

row 1 col 1	row 1 col 2	row 1 col 3
This second row spans all three columns		
This cell spans two rows	row 3 col 2	row 3 col 3
	row 4 col 2	row 4 col 3

## HTMLWeb °

rowspan = ° 1 ° 0 <thead> <tbody><tfoot> °

colspan = ° 1 ° 0 <colgroup> °

## theadtbodytfoot

HTML <thead> <tbody> <tfoot><caption> ° CSS °

<thead> °

° 4 °

```
<table>
```

```

<caption>Table Title</caption> <!--| caption is the first child of table |-->
<thead> <!--=====| head is after caption |-->
  <tr>
    <th>Header content 1</th>
    <th>Header content 2</th>
  </tr>
</thead>

<tbody> <!--=====| tbody is after thead |-->
  <tr>
    <td>Body content 1</td>
    <td>Body content 2</td>
  </tr>
</tbody>

<tfoot><!--| tfoot can be placed before or after tbody, but not in a group of tbody. |-->
<!--| Regardless where tfoot is in markup, it's rendered at the bottom. |-->

  <tr>
    <td>Footer content 1</td>
    <td>Footer content 2</td>
  </tr>
</tfoot>

</table>

```

- CSS background-color colorborder \*° °

Table Title	
<b>Header content 1</b>	<b>Header content 2</b>
Body content 1	Body content 2
Footer content 1	Footer content 2

Table Title	
Header content 1	Header content 2
Body content 1	Body content 2
Footer content 1	Footer content 2

<caption>	°
<thead>	°
<tbody>	°
<tfoot>	°
<th>	°
<td>	°

◦ ◦ <colgroup><col>◦

<colgroup>◦ <colgroup><table><caption> <tr> <thead> <tbody>◦

```
<table>
  <colgroup span="2"></colgroup>
  <colgroup span="2"></colgroup>
  ...
</table>
```

<col>◦ <col><colgroup>◦

```
<table>
  <colgroup>
    <col id="MySpecialColumn" />
    <col />
  </colgroup>
  <colgroup>
    <col class="CoolColumn" />
    <col class="NeatColumn" span="2" />
  </colgroup>
  ...
</table>
```

## CSS<colgroup><col>

- border
- background
- width
- visibility
- display display: none
  - display: none;

## HTML5 ◦

th

```
<table>
  <thead>
    <tr>
      <td></td>
      <th>Column Heading 1</th>
      <th>Column Heading 2</th>
    </tr>
  </thead>
  <tbody>
    <tr>
      <th>Row Heading 1</th>
      <td></td>
      <td></td>
    </tr>
```



```
<tr>
  <th>Row Heading 2</th>
  <td></td>
  <td></td>
</tr>
</tbody>
</table>
```

scope °

```
<table>
  <thead>
    <tr>
      <td></td>
      <th scope="col">Column Heading 1</th>
      <th scope="col">Column Heading 2</th>
    </tr>
  </thead>
  <tbody>
    <tr>
      <th scope="row">Row Heading 1</th>
      <td></td>
      <td></td>
    </tr>
    <tr>
      <th scope="row">Row Heading 1</th>
      <td></td>
      <td></td>
    </tr>
  </tbody>
</table>
```

scope °

- col
- row
- colgroup
- rowgroup

- <https://developer.mozilla.org/en-US/docs/Web/HTML/Element/th#attr-scope>
- <https://www.w3.org/TR/WCAG20-TECHS/H63.html>

<https://riptutorial.com/zh-TW/html/topic/274/>

# 32:

## Examples

HTMLHTML。 <>。 HTML。 ASCII。

◦ &entity\_name;&entity\_number; ◦ HTML。

“ ”	&nbsp;	&#160;
“ < ”	&lt;	&#60;
“ > ”	&gt;	&#62;
“ ”	&amp;	&#38;
“ - ”	&mdash;	&#8212;
“ - ”	&ndash;	&#8211;
“ © ”	&copy;	&#169;
“ ® ”	&reg;	&#174;
“ ™ ”	&trade;	&#8482;
“ ☎ ”	&phone;	&#9742;

©2016 Stack Exchange Inc.

HTML

```
<b>&copy; 2016 Stack Exchange Inc.</b>
```

HTML

htmlhtml。 w3 org“”。

“” - entity\_name;" - entity\_number;◦

<https://dev.w3.org/html5/html-author/charref>。

“”

```
<input type="text" placeholder="  &#128269; Search"/>
```

<https://riptutorial.com/zh-TW/html/topic/5229/>

## 33:

HTML。HTMLInternet ExplorerHTML。HTML。

- `<!-- Comment text -->`

`<!-- -->`

CSS。HTML。

JavaScriptCSSHTML。

JavaScriptHTML。

HTML。Web“”。

## Examples

HTML。 `<!-- -->`

```
<!-- I'm an HTML comment! -->
```

```
<h1>This part will be displayed <!-- while this will not be displayed -->.</h1>
```

```
<!-- This is a multiline HTML comment.
  Whatever is in here will not be rendered by the browser.
  You can "comment out" entire sections of HTML code.
-->
```

HTML

```
<h1 <!-- testAttribute="something" -->>This will not work</h1>
```

HTML `<h1 <!-- testAttribute="something" -->h1 >`

HTMLXMLSGML--。

## Internet Explorer

Microsoft Internet Explorer。HTML。Internet Explorer59。Internet ExplorerIE“”HTML。

HTML。IE 59。。

```
<!--[if IE]>
  Revealed in IE 5 through 9. Commented out and hidden in all other browsers.
<![endif]-->
```

```

<!--[if lt IE 8]>
  Revealed only in specified versions of IE 5-9 (here, IE less than 8).
<![endif]-->

<!--[if !IE]>
  Revealed in no browsers. Equivalent to a regular HTML comment.
<![endif]-->

<!--
  For purposes of comparison, this is a regular HTML comment.
-->

```

■

◦ ◦

```

<!--[if IE]>-->
  The HTML inside this comment is revealed in IE 5-9, and in all other browsers.
<!--<![endif]-->

<!--[if IE 9]>-->
  This is revealed in specified versions of IE 5-9, and in all other browsers.
<!--<![endif]-->

<!--[if !IE]>-->
  This is not revealed in IE 5-9. It's still revealed in other browsers.
<!--<![endif]-->

```

spana ◦ ◦

```

<!-- Use an HTML comment to nullify the newline character below: -->
<a href="#">I hope there will be no extra whitespace after this!</a><!--
--><button>Foo</button>

```

◦ ◦

```

<!-- Use an HTML comment to nullify the newline character below: -->
<a href="#">I hope there will be no extra whitespace after this!</a><!--
--><button>Foo</button>
<hr>
<!-- Without it, you can notice a small formatting difference: -->
<a href="#">I hope there will be no extra whitespace after this!</a>
<button>Foo</button>

```

[I hope there will be no extra whitespace after this!](#)

[I hope there will be no extra whitespace after this!](#)

<https://riptutorial.com/zh-TW/html/topic/468/>

# 34:

- ARIA
- 
- 
- 
- 
- 
- ARIA-haspopup
- ARIA
- ARIA-
- ARIA
- 
- ARIA-
- ARIA-multiselectable
- 
- 
- 
- 
- 
- ARIA-valuemax
- ARIA-valuemin
- ARIA-valuenow
- ARIA-valuetext
- 
- 
- ARIA-dropEffect
- 
- ARIA-activedescendant
- ARIA
- ARIA-describedby
- ARIA-flowto
- ARIA-labelledby
- 
- ARIA-posinset
- ARIA-setSize

ARIAWeb。 ARIA。

## Examples

==““”

。

```
<div role="alert" aria-live="assertive">Your session will expire in 60 seconds.</div>
```

role="alert"aria-live="assertive" . . .

- Heydon Pickering 'ARIA'

## =“alertdialog”

◦

```
<div role="alertdialog">
  <h1>Warning</h1>
  <div role="alert">Your session will expire in 60 seconds.</div>
</div>
```

=“”

WebWeb◦ ◦

```
<div role="application">
  <h1>Calculator</h1>
  <input id="num1" type="text"> + <input id="num2" type="text"> =
  <span id="result"></span>
</div>
```

=“”

◦

---

ARIAARIA/aria- \*◦

```
<article>
  <h1>My first article</h1>
  <p>Lorem ipsum...</p>
</article>
```

role=article

```
<div role="article">
  <h1>My first article</h1>
  <p>Lorem ipsum...</p>
</div>
```

---

W3Crole=article

=“”

◦

```
<div role="banner">
```

```
<h1>My Site</h1>

<ul>
  <li><a href="/">Home</a></li>
  <li><a href="/about">About</a></li>
  <li><a href="/contact">Contact</a></li>
</ul>
</div>
```

=“”

◦

```
<button role="button">Add</button>
```

=“”

◦

```
<table>
  <thead>
    <!-- etc -->
  </thead>
  <tbody>
    <td role="cell">95</td>
    <td role="cell">14</td>
    <td role="cell">25</td>
  </tbody>
</table>
```

=“”

truefalsemixed◦

```
<p>
  <input type="checkbox" role="checkbox" aria-checked="false">
  I agree to the terms
</p>
```

=“columnHeader”

◦

```
<table role="grid">
  <thead>
    <tr>
      <th role="columnheader">Day 1</th>
      <th role="columnheader">Day 2</th>
      <th role="columnheader">Day 3</th>
    </tr>
  </thead>
  <tbody>
```



```
<!-- etc -->
</tbody>
<table>
```

=“”

;

```
<input type="text" role="combobox" aria-expanded="false">
```

JavaScriptypeaheadlist select.

=“”

DOM.

```
<div role="complementary">
  <h2>More Articles</h2>

  <ul>
    <!-- etc -->
  </ul>
</div>
```

=“contentinfo”

o

```
<p role="contentinfo">
  Author: Albert Einstein<br>
  Published: August 15, 1940
</p>
```

=“”

o

```
<span role="term" aria-labelledby="def1">Love</span>
<span id="def1" role="definition">an intense feeling of deep affection.</span>
```

=“”

o

```
<div role="dialog">
  <p>Are you sure?</p>
  <button role="button">Yes</button>
  <button role="button">No</button>
</div>
```

“”

◦

```
<ul role="directory">
  <li><a href="/chapter-1">Chapter 1</a></li>
  <li><a href="/chapter-2">Chapter 2</a></li>
  <li><a href="/chapter-3">Chapter 3</a></li>
</ul>
```

“”

Web◦

```
<div role="document">
  <h1>The Life of Albert Einstein</h1>
  <p>Lorem ipsum...</p>
</div>
```

“”

◦

HTML<form>ARIArole=form◦

ARIAARIA/aria- \*◦

```
<form action="">
  <fieldset>
    <legend>Login form</legend>
    <div>
      <label for="username">Your username</label>
      <input type="text" id="username" aria-describedby="username-tip" required />
      <div role="tooltip" id="username-tip">Your username is your email address</div>
    </div>
    <div>
      <label for="password">Your password</label>
      <input type="text" id="password" aria-describedby="password-tip" required />
      <div role="tooltip" id="password-tip">Was emailed to you when you signed up</div>
    </div>
  </fieldset>
</form>
```

role=form

```
<div role=form>
  <input type="email" placeholder="Your email address">
  <button>Sign up</button>
</div>
```

“”

◦

```
<table role="grid">
  <thead>
    <!-- etc -->
  </thead>
  <tbody>
    <!-- etc -->
  </tbody>
</table>
```

=“”

◦

```
<table role="grid">
  <thead>
    <!-- etc -->
  </thead>
  <tbody>
    <tr>
      <td role="gridcell">17</td>
      <td role="gridcell">64</td>
      <td role="gridcell">18</td>
    </tr>
  </tbody>
</table>
```

=“”

◦

```
<div role="group">
  <button role="button">Previous</button>
  <button role="button">Next</button>
</div>
```

=“”

◦

```
<h1 role="heading">Introduction</h1>
<p>Lorem ipsum...</p>
```

=“IMG”

◦

```
<figure role="img">
  
  <figcaption>This is my cat, Albert.</figcaption>
```

```
<figure>
```

==“”

◦

ARIA/ARIAaria- \*。

- <https://www.w3.org/TR/html5/dom.html#aria-usage-note>

==“”

◦

```
<ul role="list">
  <li role="listitem">One</li>
  <li role="listitem">Two</li>
  <li role="listitem">Three</li>
</ul>
```

==“”

◦

```
<ul role="listbox">
  <li>One</li>
  <li>Two</li>
  <li>Three</li>
</ul>
```

## JavaScript

==“”

◦

```
<ul role="list">
  <li role="listitem">One</li>
  <li role="listitem">Two</li>
  <li role="listitem">Three</li>
</ul>
```

==“”

◦

```
<ul role="log">
  <li>User 1 logged in.</li>
  <li>User 2 logged in.</li>
</ul>
```

```
<li>User 1 logged out.</li>
</ul>
```

==“”

o

```
<!-- header & nav here -->
<div role="main">
  <p>Lorem ipsum...</p>
</div>
<!-- footer here -->
```

==“”

o

```
<ul role="marquee">
  <li>Dow +0.26%</li>
  <li>Nasdaq +0.54%</li>
  <li>S&amp;P +0.44%</li>
</ul>
```

==“”

o

```

```

==“”

o

```
<ul role="menu">
  <li role="menuitem">New</li>
  <li role="menuitem">Open</li>
  <li role="menuitem">Save</li>
  <li role="menuitem">Close</li>
</ul>
```

==“”

o

```
<ul role="menubar">
  <li role="menuitem">File</li>
  <li role="menuitem">Edit</li>
  <li role="menuitem">View</li>
  <li role="menuitem">Help</li>
</ul>
```

““”

。

```
<ul role="menubar">
  <li role="menuitem">File</li>
  <li role="menuitem">Edit</li>
  <li role="menuitem">View</li>
  <li role="menuitem">Help</li>
</ul>
```

## “menuitemcheckbox”

menuitemtruefalsemixed。

```
<ul role="menu">
  <li role="menuitem">Console</li>
  <li role="menuitem">Layout</li>
  <li role="menuitemcheckbox" aria-checked="true">Word wrap</li>
</ul>
```

## “menuitemradio”

menuitemradio。

```
<ul role="menu">
  <li role="menuitemradio" aria-checked="true">Left</li>
  <li role="menuitemradio" aria-checked="false">Center</li>
  <li role="menuitemradio" aria-checked="false">Right</li>
</ul>
```

““”

。

```
<ul role="navigation">
  <li><a href="/">Home</a></li>
  <li><a href="/about">About</a></li>
  <li><a href="/contact">Contact</a></li>
</ul>
```

““”

。

```
<p>Lorem ipsum...</p>
<p>Lorem ipsum...</p>
<p role="note">Lorem ipsum...</p>
```

=“”

◦

```
<ul role="listbox">
  <li role="option">Option 1</li>
  <li role="option">Option 2</li>
  <li role="option">Option 3</li>
</ul>
```

=“”

API.

```
<div style="float:left;">Some content on the left.</div>
<div style="float:right;">Some content on the right</div>
<div role="presentation" style="clear:both;"></div> <!-- Only used to clear floats -->
```

=“”

◦

```
<progress role="progressbar" value="25" max="100">25%</progress>
```

=“”

◦

```
<div role="radiogroup">
  <input role="radio" type="radio" aria-checked="true"> One<br>
  <input role="radio" type="radio" aria-checked="false"> Two<br>
  <input role="radio" type="radio" aria-checked="false"> Three
</div>
```

=“”

◦

```
<div role="region">
  Home team: 4<br>
  Away team: 2
</div>
```

=“RadioGroup”

◦

```
<div role="radiogroup">
```

```
<input role="radio" type="radio" aria-checked="true"> One<br>
<input role="radio" type="radio" aria-checked="false"> Two<br>
<input role="radio" type="radio" aria-checked="false"> Three
</div>
```

=“”

o

```
<table>
  <thead>
    <!-- etc -->
  </thead>
  <tbody>
    <tr role="row">
      <!-- etc -->
    </tr>
  </tbody>
</table>
```

=“rowgroup”

o

```
<table>
  <thead role="rowgroup">
    <!-- etc -->
  </thead>
  <tbody role="rowgroup">
    <!-- etc -->
  </tbody>
</table>
```

=“rowHeader”

o

```
<table role="grid">
  <thead>
    <!-- etc -->
  </thead>
  <tbody>
    <tr>
      <th role="rowheader">Day 1</th>
      <td>65</td>
    </tr>
    <tr>
      <th role="rowheader">Day 2</th>
      <td>74</td>
    </tr>
  </tbody>
</table>
```



==“”

o

```
<div id="content1">Lorem ipsum...</div>
<div
  role="scrollbar"
  aria-controls="content1"
  aria-orientation="vertical"
  aria-valuemax="100"
  aria-valuemin="0"
  aria-valuenow="25">
  <div class="scrollhandle"></div>
</div>
```

==“”

o

```
<div role="search">
  <input role="searchbox" type="text">
  <button role="button">Search</button>
</div>
```

==“”

o

```
<div role="search">
  <input role="searchbox" type="text">
  <button role="button">Search</button>
</div>
```

==“”

o

```
<p>Lorem ipsum...</p>
<hr role="separator">
<p>Lorem ipsum...</p>
```

==“”

o

```
<div
  role="slider"
  aria-valuemax="100"
  aria-valuemin="0"
  aria-valuenow="25">
```

```
<div class="sliderhandle"></div>
</div>
```

==“”

◦

```
<input
  role="spinbutton"
  aria-valuemax="100"
  aria-valuemin="0"
  aria-valuenow="25"
  type="number"
  value="25">
```

==“”

◦

```
<div role="status">Online</div>
```

==“”

//◦

```
<select role="switch" aria-checked="false">
  <option>On</option>
  <option selected>Off</option>
</select>
```

==“”

◦

```
<ul role="tablist">
  <li role="tab">Introduction</li>
  <li role="tab">Chapter 1</li>
  <li role="tab">Chapter 2</li>
</ul>
```

==“”

◦ ◦

```
<table role="table">
  <thead>
    <!-- etc -->
  </thead>
  <tbody>
    <!-- etc -->
```

```
</tbody>
</table>
```

==“”

## tabpanel。

```
<ul role="tablist">
  <li role="tab">Introduction</li>
  <li role="tab">Chapter 1</li>
  <li role="tab">Chapter 2</li>
</ul>
```

## ==“tabpanel”

。

```
<ul role="tablist">
  <li role="tab">Introduction</li>
  <li role="tab">Chapter 1</li>
  <li role="tab">Chapter 2</li>
</ul>
<div role="tabpanel">
  <!-- etc -->
</div>
```

==“”

。

```
<textarea role="textbox"></textarea>
```

==“”

。

```
<p>
  <span role="timer">60</span> seconds remaining.
</p>
```

==“”

。

```
<ul role="toolbar">
  <li></li>
  <li></li>
  <li></li>
  <li></li>
</ul>
```

=“”

◦

```
<span aria-describedby="slopedesc">Slope</span>
<div role="tooltip" id="slopedesc">y=mx+b</div>
```

◦ JavaScript

=“”

◦

```
<ul role="tree">
  <li role="treeitem">
    Part 1
    <ul>
      <li role="treeitem">Chapter 1</li>
      <li role="treeitem">Chapter 2</li>
      <li role="treeitem">Chapter 3</li>
    </ul>
  </li>
  <li role="treeitem">
    Part 2
    <ul>
      <li role="treeitem">Chapter 4</li>
      <li role="treeitem">Chapter 5</li>
      <li role="treeitem">Chapter 6</li>
    </ul>
  </li>
  <li role="treeitem">
    Part 3
    <ul>
      <li role="treeitem">Chapter 7</li>
      <li role="treeitem">Chapter 8</li>
      <li role="treeitem">Chapter 9</li>
    </ul>
  </li>
</ul>
```

=“TreeGrid”

◦

=“treeitem”

◦ ◦

```
<ul role="tree">
  <li role="treeitem">
    Part 1
    <ul>
      <li role="treeitem">Chapter 1</li>
```

```
<li role="treeitem">Chapter 2</li>
<li role="treeitem">Chapter 3</li>
</ul>
</li>
<li role="treeitem">
  Part 2
  <ul>
    <li role="treeitem">Chapter 4</li>
    <li role="treeitem">Chapter 5</li>
    <li role="treeitem">Chapter 6</li>
  </ul>
</li>
<li role="treeitem">
  Part 3
  <ul>
    <li role="treeitem">Chapter 7</li>
    <li role="treeitem">Chapter 8</li>
    <li role="treeitem">Chapter 9</li>
  </ul>
</li>
</ul>
```

<https://riptutorial.com/zh-TW/html/topic/2734/>

# 35:

## WebHTML

- `<input type="" name="" value="">`

ID	ID
	◦ hidden text tel url email password date time number range color checkbox radio file submit image resetbutton ◦ text ◦
	◦ ◦
	typeradiocheckboxBoolean;◦
	<b>HTML5</b> fileemail
	<b>HTML5</b> ◦
	<b>HTML5</b> ◦
	◦ ◦ <b>HTML5</b> typehidden range color checkbox radio filebutton◦
	<b>HTML5</b>
ALT	◦
	<code>&lt;input&gt;</code> ◦
	<code>&lt;input&gt;</code> ◦
	step◦ number range date datetime-local month timeweek ◦

HTML5 void `<input><input />` ◦ HTML5◦

## HTML

- `button`
- `checkbox`
- `file`
- `hidden`
- `image`
- `password`
- `radio`
- `reset`
- `submit`

- `text`

## HTML 5. Web. `input`<sub>text</sub>.

- `color`
- `date`
- `datetime`
- `datetime-local`
- `email`
- `month`
- `number`
- `range`
- `search`
- `tel`
- `time`
- `url`
- `week`

[caniuse.com](https://caniuse.com).

## Examples

---

HTML`<input>`[HTML](#).

`<input>` type `checkbox` `radio`

```
<input type="checkbox">
<input type="radio">
```

◦ ◦ ◦

name ◦ ◦ name ◦

```
<input type="radio" name="color" id="red" value="#F00">
<input type="radio" name="color" id="green" value="#0F0">
<input type="radio" name="color" id="blue" value="#00F">
```

◦ ◦ ◦

### value

value ◦ on ◦ value ◦

### checked

checked ◦ ◦

```
<input checked>
```

```
<input checked="">
<input checked="checked">
<input checked="ChEcKeD">
```

checked

```
<input type="radio">
<input type="checkbox">
```

<form> checked◦

◦ <label>◦ ◦

```
<label>
  <input type="radio" name="color" value="#F00">
  Red
</label>
```

<label>forid

```
<input type="checkbox" name="color" value="#F00" id="red">
<label for="red">Red</label>
```

◦

<fieldset><legend>◦

```
<fieldset>
  <legend>Theme color:</legend>
  <p>
    <input type="radio" name="color" id="red" value="#F00">
    <label for="red">Red</label>
  </p>
  <p>
    <input type="radio" name="color" id="green" value="#0F0">
    <label for="green">Green</label>
  </p>
  <p>
    <input type="radio" name="color" id="blue" value="#00F">
    <label for="blue">Blue</label>
  </p>
</fieldset>
```

◦ ◦ ◦ [] ◦ ◦ ◦

```
<input type="hidden" name="inputName" value="inputValue">
```

◦

```
<input type="password" name="password">
```



`type=password` `input type=text`

```
<input type="password" name="password" placeholder="Password">
```

◦



```
<input type="submit" value="Submit">
```

◦

```
<button>
```

```
<button type="submit">
   Submit
</button>
```

```
<input type="file" name="fileSubmission">
```

◦ form ◦

fileupload\_file.php◦

```
<form action="upload_file.php" method="post" enctype="multipart/form-data">
  Select file to upload:
  <input type="file" name="fileSubmission" id="fileSubmission">
  <input type="submit" value="Upload your file" name="submit">
</form>
```

multiple

```
<input type="file" name="fileSubmission" id="fileSubmission" multiple>
```

**Accept**◦ .png .gif .jpeg ◦

```
<input type="file" name="fileSubmission" accept="image/x-png,image/gif,image/jpeg" />
```

HTML JavaScript◦ HTTP◦ JavaScript◦ ◦

email url tel date◦

required◦

```
<input required>
```

/

minlengthmaxlength◦ ◦

```
<input minlength="3">
<input maxlength="15">
<input minlength="3" maxlength="15">
```

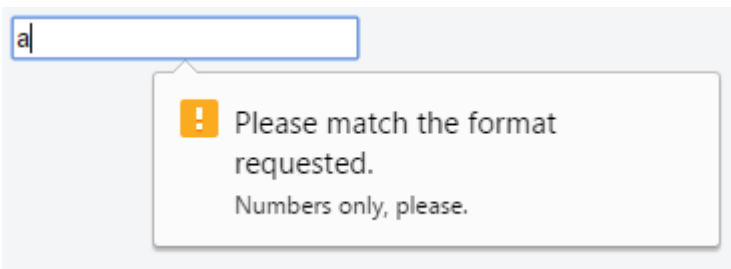
minmaxnumberrange

```
Marks: <input type="number" size="6" name="marks" min="0" max="100" />
Subject Feedback: <input type="range" size="2" name="feedback" min="1" max="5" />
```

pattern◦ title◦

```
<input pattern="\d*" title="Numbers only, please.">
```

## Google Chrome 51



◦

## CanIUse◦

file◦

```
<input type="file" accept="image/*" title="Only images are allowed">
```

```
<input type="file" accept="image/*,.rar,application/zip">
```

formformnovalidatenovalidate◦

```
<form>
  <input type="text" name="name" required>
  <input type="email" name="email" required>
  <input pattern="\d*" name="number" required>

  <input type="submit" value="Publish"> <!-- form will be validated -->
  <input type="submit" value="Save" formnovalidate> <!-- form will NOT be validated -->
</form>
```

“”。

```
<input type="reset" value="Reset">
```

reset。

- value。
- selected。
- checked。

form <form>。

```
<input type="number" value="0" name="quantity">
```

number type input。

• ele-, 0。

```
<input type="tel" value="+8400000000">
```

tel type input。

```
<input type="email">
```

```
<form>
  <label>E-mail: <label>
  <input type="email" name="email">
</form>
```

。

```
<input type="button" value="Button Text">
```

• <button>

```
<button type="button">Button Text</button>
```

“onclick”

```
<input type="button" onclick="alert('hello world!')" value="Click Me">
```

```
<button type="button" onclick="alert('hello world!')">Click Me</button>
```

---

[name]

name ◦

**[type]**

type ◦

submit ◦ ◦

reset ◦

button ◦ ◦

menu ◦

**[value]**

◦

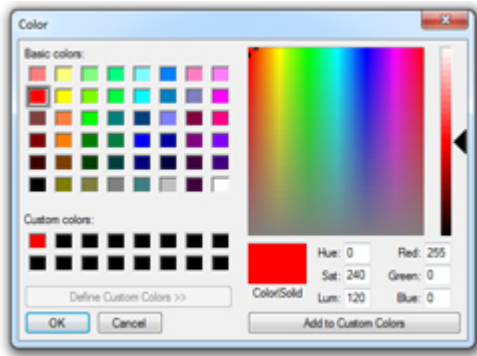
form	ID◦
formaction	◦
formenctype	◦ formmethod="post" ◦
formmethod	HTTPPOSTGET ◦
formnovalidate	◦
formtarget	◦

```
<input type="color" name="favcolor" value="#ff0000">
```

color type input color value ◦



◦



`type=text` ◦

`#ff0000`

```
<input type="url" name="Homepage">
```

URL ◦

`url` ◦

`url".com"` ◦

```
<input type="date" />
```

◦ FirefoxInternet Explorer ◦

```
<input type="datetime-local" />
```

◦

```
<input type="image" src="img.png" alt="image_name" height="50px" width="50px"/>
```

◦ `srcalt` ◦ `heightwidth` ◦

```
<input type="range" min="" max="" step="" />
```

◦

		0
		100
◦		1

```
<input type="month" />
```

◦

```
<input type="time" />
```

time◦ [RFC 3339](#)

```
19:04:39
08:20:39.04
```

EdgeChromeOperaChrome for Android=""◦ Android4.4◦ Safari for iOSminmaxstep◦

```
<input type="week" />
```

◦

type◦ ◦ ◦ <input><form>◦

```
<input type="text">
```

type

```
<input>
```

20◦ size

```
<input type="text" size="50">
```

sizeCSS◦ ◦ size◦

size◦ ◦

◦ [<textarea>](#) ◦

◦

```
<input type="search" name="googlesearch">
```

type“ **datetime** ”input◦

```
<fieldset>
  <p><label>Meeting time: <input type=datetime name="meeting.start"></label>
</fieldset>
```

- 
- 
- 
- 
- 
-

- 
- 
- 
- 
- 
- 

<https://riptutorial.com/zh-TW/html/topic/277/>

# 36:

HTML5。 <a href="#">MDN</a>
◦ document.forms◦ ◦
id <inputs "inp1"◦<="" &gt;="" for="" id="inp1" is="" td="" value=""></inputs>
<form>◦ <form> <form><form>◦

## Examples

### ForForm

<output>[for][form]◦ <output> **JavaScript**◦ JavaScript◦ <input>type="number" value◦ value **S**value  
parseInt() parseFloat() Number()◦

```
<!--form1 will collect the values of in1 and in2 on 'input' event.-->
<!--out1 value will be the sum of in1 and in2 values.-->

<form id="form1" name="form1" oninput="out1.value = parseInt(in1.value, 10) +
parseInt(in2.value, 10)">

  <fieldset>

    <legend>Output Example</legend>

    <input type="number" id="in1" name="in1" value="0">
    <br/>
    +
    <input type="number" id="in2" name="in2" value="0">

  </fieldset>

</form>

<!--[for] attribute enables out1 to display calculations for in1 and in2.-->
<!--[form] attribute designates form1 as the form owner of out1 even if it isn't a
descendant.-->

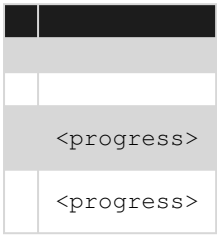
<output name="out1" for="in1 in2" form="form1">0</output>
```

```
<output name="out1" form="form1" for="inp1 inp2"></output>
```

<https://riptutorial.com/zh-TW/html/topic/723/>



# 37:



10Internet Explorer<progress>

<progress>◦ <progress><progress>◦ <meter>◦

## Examples

<progress>HTML5

```
<progress value="22" max="100"></progress>
```

22

progress[value]◦

250px 20px

```
progress[value] {
  width: 250px;
  height: 20px;
}
```

◦

## Chrome / Safari / Opera

-webkit-appearanceprogress◦ ◦

```
progress[value] {
  -webkit-appearance: none;
  appearance: none;
}
```

```
progress[value]::-webkit-progress-bar {
  background-color: "green";
}
```

Firefox◦

```
progress[value] {
  -moz-appearance: none;
  appearance: none;
  border: none;           /* Firefox also renders a border */
}
```

## IE

Internet Explorer 10+ `progress` `background-color` `color`

```
progress[value] {
  -webkit-appearance: none;
  -moz-appearance: none;
  appearance: none;

  border: none;           /* Remove border from Firefox */

  width: 250px;
  height: 20px;

  color: blue;
}
```

## HTML

`progress`

```
<progress max="100" value="20">
  <div class="progress-bar">
    <span style="width: 20%;">Progress: 20%</span>
  </div>
</progress>
```

`progress` `div` `div`

<https://riptutorial.com/zh-TW/html/topic/5055/>

## 38:

- `<select name=""></select>`
- `<datalist id=""></datalist>`
- `<optgroup label="Option Group"></optgroup>`
- `<option value="">Option</option>`

## Examples

`<select>`

```
<select name="">
  <option value="1">One</option>
  <option value="2">Two</option>
  <option value="3">Three</option>
  <option value="4">Four</option>
</select>
```

`size` 0 1 1

```
<select name="" size="4"></select>
```

multiple 0 1 0

```
<select name="" multiple></select>
```

multiple 0 1 0 1

`<optgroup>`

label

```
<select name="">
  <option value="milk">Milk</option>
  <optgroup label="Fruits">
    <option value="banana">Bananas</option>
    <option value="strawberry">Strawberries</option>
  </optgroup>
  <optgroup label="Vegetables" disabled>
    <option value="carrot">Carrots</option>
    <option value="zucchini">Zucchini</option>
  </optgroup>
</select>
```

0 0

0

```
<option>Some Option</option>
```

```
<option>◦
```

```
valueLabel ◦ ◦ ◦ ◦ ◦
```

```
<option label="Some Option" value="Some Option">
```

◦ ◦ ◦ **label**

```
<option value="option1">Some Option</option>
```

```
selected◦ ◦ selected◦
```

```
<option value="option1" selected>Some option</option>
```

◦

```
<select multiple>  
  <option value="option1" selected>Some option</option>  
  <option value="option2" selected>Some option</option>  
</select>
```

```
<datalist><input>◦ <input>“”◦ ◦
```

```
<input list="Languages">  
  
<datalist id="Languages">  
  <option value="PHP">  
  <option value="Perl">  
  <option value="Python">  
  <option value="Ruby">  
  <option value="C+">  
</datalist>
```

---

		<b>Mozilla</b>		
20.0	10.0	4		9

<https://riptutorial.com/zh-TW/html/topic/722/>

# 39:

## ◦ HTML◦

- `<a href="URL or anchor">Link Text</a>`

href	◦ URLname ◦ <a href="http://example.com/">http://example.com/</a> ◦ URL//about-us/ / “about-us”◦ Web“index.html”
hreflang	href◦ <a href="#">BCP 47HTML5HTML 4RFC 1766</a> ◦
rel	◦ <a href="#">HTML5Microformats wiki</a> ◦
target	◦ _blank _self _parent _topframe name ◦ ◦
title	◦ ◦ HTML◦
download	◦ ◦ .img.pdf◦ ◦

## Examples

`<a>` [nchor](#)

```
<a href="http://example.com/">Link to example.com</a>
```

href URL <http://example.com/> “example.com”◦

[example.com](#)

external

```
<a href="http://example.com/" rel="external">example site</a>
```

## HTTP◦ FTP

```
<a href="ftp://example.com/">This could be a link to a FTP site</a>
```

FTPHTTP [example.com](#) ◦

[FTP](#)

/

```
<a href="example.com" target="_blank">Text Here</a>
```

target° \_blank °

```
target="_blank"window.openerJavaScriptwindow.opener.location°
```

```
rel="noopener" window.opener°
```

```
Firefoxnoopener rel="noopener noreferrer"°
```

AnchorHTML° <a>id° IDID ° °

page1.html

```
<h2>First topic</h2>
<p>Content about the first topic</p>
<h2>Second topic</h2>
<p>Content about the second topic</p>
```

°

id

```
<h2 id="Topic1">First topic</h2>
<p>Content about the first topic</p>
<h2 id="Topic2">Second topic</h2>
<p>Content about the second topic</p>
```

```
<h1>Table of Contents</h1>
  <a href='#Topic1'>Click to jump to the First Topic</a>
  <a href='#Topic2'>Click to jump to the Second Topic</a>
```

page1.html ° °

Remember, you can always <a href="page1.html#Topic1">look back in the First Topic</a> for supporting information.

## JavaScript

javascript: protocolJavaScript

```
<a href="javascript:myFunction();">Run Code</a>
```

onclick

```
<a href="#" onclick="myFunction(); return false;">Run Code</a>
```

return false;#° °

!hashtag slug id="!" slug#scrollsNowhere return false;

```
<a href="#" onclick="myFunction();">Run Code</a>
```

- JavaScript JavaScript

- <button>

- 

```
<a href="/example">Text Here</a>
```

/ example

---

<http://example.com>

```
<a href="/page">Text Here</a>
<a href="http://example.com/page">Text Here</a>
```

example.compage

href -attributemailto:mailto:

```
<a href="mailto:example@example.com">Send email</a>
```

example@example.com

---

ccbcc-recipients

```
<a href="mailto:example@example.com?cc=john@example.com&bcc=jane@example.com">Send email</a>
```

```
<a href="mailto:example@example.com?subject=Example+subject&body=Message+text">Send email</a>
```

---

URL

mailto:

href -attributetel: /SkypeFaceTime

```
<a href="tel:11234567890">Call us</a>
```

- 

---

<https://riptutorial.com/zh-TW/html/topic/254/>

---

<https://riptutorial.com/zh-TW/home>

# 40:

HTML。 HTML。

- `<link rel="link-relation" type="mime-type" href="url">`
- `<script src="path-to-script"></script>`

charset	
crossorigin	
href	
hreflang	
media	
rel	◦
rev	
sizes	◦ rel="icon"
target	
type	
integrity	base64sha256sha384sha512。◦

## Examples

### CSS

```
<link rel="stylesheet" href="path/to.css" type="text/css">
```

CSS `<link>`HTML<head>◦ CSSCSSHTML。 HTML5typeHTML5CSS◦

```
<link rel="stylesheet" href="path/to.css" type="text/css">
```

```
<link rel="stylesheet" href="path/to.css">
```

...HTML5。

CSS@import◦

```
<style type="text/css">  
  @import("path/to.css")
```



```
</style>

<style>
  @import("path/to.css")
</style>
```

## JavaScript

```
<script src="path/to.js"></script>
```

</body>JavaScript <script> </body> JavaScript.

```
<script src="path/to.js" async></script>
```

Javascript. async HTMLJavascript.

```
<script src="path/to.js" defer></script>
```

HTML. .

## <NOSCRIPT>

```
<noscript>JavaScript disabled</noscript>
```

<noscript>. <noscript><head><body> .

```
<link rel="icon" type="image/png" href="/favicon.png">
<link rel="shortcut icon" type="image/x-icon" href="/favicon.ico">
```

mime-type image/pngPNG image/x-icon \*.ico . SO .

favicon.ico<link>. .

## CSS

```
<link rel="alternate stylesheet" href="path/to/style.css" title="yourTitle">
```

.

FirefoxView> Page StyleInternet ExplorerIE 8View> Page StyleIE 11Chrome48. .

MDN

## Feed

rel="alternate"Atom / RSS。

```
<link rel="alternate" type="application/atom+xml" href="http://example.com/feed.xml" />
<link rel="alternate" type="application/rss+xml" href="http://example.com/feed.xml" />
```

RSSAtomic RSSMDN。

"

```
<link rel="stylesheet" href="test.css" media="print">
```

Media。 print。

mediatype CSS 。

prevnext。

```
<link rel="prev" href="http://stackoverflow.com/documentation/java/topics">
<link rel="next" href="http://stackoverflow.com/documentation/css/topics">
```

dns-prefetchprefetchpre-render

## PRECONNECT

preconnectdns-prefetch DNS。 TCPTLS。 。

```
<link rel="preconnect" href="URL">
```

## DNS

URLDNSURL。

```
<link rel="dns-prefetch" href="URL">
```

。

```
<link rel="prefetch" href="URL">
```

DNS-Prefetchprefetch/。

URLURL。。

```
<link rel="prerender" href="URL">
```

<https://riptutorial.com/zh-TW/html/topic/712/>

# 41: ID

IDHTML。 classCSS。 IDID。 IDJavaScriptCSS。 HTMLID。

- class =“class1 class2 class3”
- ID =“UNIQUEID”

ID	ID

- classidHTML。
- AZaz。
- HTML5 classid。 HTML 4.0.1<base> <head> <html> <meta> <param> <script> <style><title>。
- 。 。
- ID。 ID。

## Examples

- class◦

```
<div class="example-class"></div>
```

- 

```
<div class="class1 class2"></div>
```

## CSS

- span

```
<span></span>  
<span class="special"></span>
```

- CSStrue。

highlight

```
<div class="highlight">Lorem ipsum</div>  
<span class="highlight">Lorem ipsum</span>
```

## CSS

```
.highlight { color: green; }
```

highlight div

```
div.highlight { color: green; }
```

**CSS**.highlight div.highlight ◦

```
.main .highlight { color: red; } /* Descendant combinator */  
.footer > .highlight { color: blue; } /* Child combinator */
```

◦ **HTML**

```
<div class="special left menu">This text will be pink</div>
```

**CSS**

```
.special.left.menu { color: pink; }
```

**ID**

**ID**. **CSS**.◦

```
<div id="example-id"></div>
```

**ID**.◦

```
<div id="example-id"></div>  
<span id="example-id"></span>
```

**CSS****JavaScript**.◦

**CSS****ID****#**.◦

```
#example-id { color: green; }
```

**ID****URL****#**.◦

```
http://example.com/about#example-id
```

**JavaScript****CSS**.◦

**ID**

**ID**. **HTML**. ◦ ◦ ◦

```
<div id="aDiv">a</div>  
<div id="aDiv">b</div>
```

## CSS

```
#aDiv {
  color: red;
}
```

## JavaScript

```
var html = document.getElementById("aDiv").innerHTML;
```

htmldiv("a") ◦

id

- 1.
- 2.
- 3.

◦ ◦

```
<div id="container"> ... </div>
<div id="999"> ... </div>
<div id="#%LV-||"> ... </div>
<div id="____v"> ... </div>
<div id="□□"> ... </div>
<div id="♥">... </div>
<div id="{}"> ... </div>
<div id="@"> ... </div>
<div id="⊙W⊙ε~¥"> ... </div>
```

```
<div id=" "> ... </div>
```

```
<div id="results"> ... </div>
<div id="results"> ... </div>
```

## 4.01

id

- AZ / az
- 0-9
- “ \_ ”
- “ ”
- “ ”
- “ ° ”

## HTML5

```
<div id="container"> ... </div>
```

```
<div id="sampletext"> ... </div>
```

```
<div id="sample-text"> ... </div>
<div id="sample_text"> ... </div>
<div id="sample:text"> ... </div>
<div id="sample.text"> ... </div>
```

◦

---

id◦ class◦

```
<div id="results"> ... </div>
<div id="results"> ... </div>
```

```
<div class="results"> ... </div>
<div class="results"> ... </div>
```

---

## HTMLIDClass

HTML◦

idclassCSSJavaScript◦

idHTML5

```
<div id="9lions"> ... </div>
```

...CSS

### 4.1.3

CSS ID[a-zA-Z0-9]|ISO 10646U + 00A0 - \_; ◦

◦

---

## W3C

- [3.2.5.1 id](#)
- [3.2.5.7 class](#)
- [6.2 SGML](#)

ID <https://riptutorial.com/zh-TW/html/topic/586/id>

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19		<a href="#">Ali Almoullim</a> , <a href="#">Ani Menon</a> , <a href="#">animuson</a> , <a href="#">Aown Muhammad</a> , <a href="#">Chris Rutherford</a> , <a href="#">Cullub</a> , <a href="#">Gabriel Chi Hong Lee</a> , <a href="#">Greg T</a> , <a href="#">j08691</a> , <a href="#">Kimmmax</a> , <a href="#">Luca langella</a> , <a href="#">Niek Brouwer</a> , <a href="#">Thomas Gerot</a>
20		<a href="#">animuson</a> , <a href="#">Community</a> , <a href="#">Faegy</a> , <a href="#">Infuzed guy</a> , <a href="#">James Donnelly</a> , <a href="#">Manish</a> , <a href="#">Nathan Tuggy</a> , <a href="#">Nhan</a> , <a href="#">Racil Hilan</a> , <a href="#">rajarshig</a> , <a href="#">swatchai</a> , <a href="#">unor</a> , <a href="#">Yasir T</a>
21		<a href="#">animuson</a> , <a href="#">Ben Rhys-Lewis</a> , <a href="#">Emil</a> , <a href="#">gustavohenke</a> , <a href="#">J F</a> , <a href="#">Matas Vaitkevicius</a> , <a href="#">Peter L.</a> , <a href="#">Raystafarian</a> , <a href="#">Stephen Leppik</a> , <a href="#">Thomas Gerot</a> , <a href="#">unor</a> , <a href="#">Wolfgang</a>
22		<a href="#">Akshay Anand</a> , <a href="#">Al.G.</a> , <a href="#">Angelos Chalaris</a> , <a href="#">Ani Menon</a> , <a href="#">animuson</a> , <a href="#">Chris</a> , <a href="#">Content Solutions</a> , <a href="#">heerfk</a> , <a href="#">mnoronha</a> , <a href="#">pinjasaur</a> , <a href="#">Right leg</a> , <a href="#">Sumner Evans</a> , <a href="#">Thomas Gerot</a> , <a href="#">tmg</a> , <a href="#">unor</a>
23		<a href="#">Anthony Pham</a> , <a href="#">fredden</a> , <a href="#">Josiah Keller</a> , <a href="#">m_callens</a> , <a href="#">Roko C. Buljan</a>
24		<a href="#">Content Solutions</a> , <a href="#">mnoronha</a> , <a href="#">unor</a>
25		<a href="#">4444</a> , <a href="#">Naveen Gogineni</a> , <a href="#">Shannon Young</a> , <a href="#">SuperStormer</a> , <a href="#">Tot</a>

		Zam, unor
26		Ani Menon, animuson, dippas, Evan, Infuzed guy, joe_young, MervS, Nathan Arthur, Pseudonym Patel, sasha, Thomas Gerot, unor, V-Kopio
27		Abrar Jahin, Thomas Gerot, Valor Naram
28		animuson, BiscuitBaker, Daniel Käfer, Grace Note, H. Pauwelyn, Jon Ericson, kcpike, Marvin, Matas Vaitkevicius, platy11, Prateek, Pseudonym Patel, Richard Hamilton, Right leg, Sayakiss, Stewartside, Thomas Gerot, tmg, Tom Johnson, unor, Zack
29	IFrame	Adjit, Alexandre N., animuson, ChrisD, dorukayhan, Duh-Wayne-101, Emanuel Vintilă, J F, Ojen, Wojciech Kazior
30		4444, ChrisD, Thomas Gerot, unor
31		albert, Alexandre N., animuson, Cedric Zoppolo, Eduardo Molteni, Grant Palin, J F, j08691, JHS, joe_young, Lambda Ninja, Mottie, Mr Lister, Nijin22, Prateek, PrAtik Lochawala, Praveen Kumar, Sildoreth, svarog, Ted Goas, tehciolo, Thomas Landauer, zer00ne
32		animuson, MervS, stack-learner
33		Ani Menon, animuson, Ashwin Ramaswami, bdkopen, ChrisD, Epodax, JHS, jkdev, RamenChef, Robert Grant, Soaring Code, Squazz, Thomas Gerot, Ulrich Schwarz, Wolfgang
34		Bhavya Singh, Paul Sweatte, Shannon Young, Travis, unor, user30796
35		Abhishek Pandey, Al.G., Alohci, amflare, Amitay Stern, Angelos Chalaris, Ani Menon, animuson, bhansa, Bob, Charlie H, Christophe Strobbe, CN, Community, cone56, Daniel, DawnPaladin, Dipen Shah, Domenic, Druzion, Edvin Tenovimas, Epodax, Franck Dernoncourt, gabe3886, geeksal, H. Pauwelyn, Henrique Barcelos, Huy Nguyen, J F, John Slegers, Kashyap Jha, Lahiru Ashan, Lankymart, Magisch, Marvin, Matas Vaitkevicius, Matt, Maximillian Laumeister, Mike McCaughan, morewry, Mosh Feu, Nathan Arthur, Nil Llisterri, Nishchay, niyasc, NoobCoder, Optimiser, Ortomala Lokni, Pi Programs, Pimgd, Prateek, Prav, Praveen Kumar, Psaniko, QoP, RamenChef, Ranjit Singh, Richard Hamilton, Robert Columbia, Roko C. Buljan, SeinopSys, Sharavnan Kv, Shivangi Chaurasia, SJDS, Squazz, Stephen Leppik, Stewartside, Sunny R Gupta, sv3k, the12, think123, Thomas Gerot, Timon, tmg, Tot

		Zam, trungk18, Undo, vladdobra, zzzzBov
36		J F, Stephen Leppik, zer00ne
37		animuson, Content Solutions, Richard Hamilton
38		Ali Almoullim, amflare, animuson, GentlePurpleRain, Ilyas karim, Mosh Feu, Tot Zam
39		Al.G., animuson, Anselm Urban, Anthony Pham, ban17, DawnPaladin, Emil, FlyingPiMonster, insertusernamehere, J F, JHS, joe_young, Jojodmo, Jones Joseph, Lambda Ninja, Matas Vaitkevicius, Nathan Tuggy, Pranav, Prateek, Raystafarian, Robert Columbia, Squidward, Steyn van Esveld, Thomas Gerot, unor, Wolfgang
40		AA2992, animuson, Anselm Urban, Aravind Suresh, Callan Heard, Chris Rutherford, cone56, DawnPaladin, Domenic, feeela, Henrique Barcelos, Infuzed guy, JHS, Lambda Ninja, Matas Vaitkevicius, Nhan, Thomas Gerot, unor, V4karian, vladdobra
41	ID	Angelos Chalaris, animuson, brandaemon, Caleb Kleveter, Community, Duh-Wayne-101, Emil, Epodax, Evan, GoatsWearHats, Ingrid Stevens, jhnance, JHS, John Slegers, lexith, Luca Putzu, Michael_B, Natalie, Nhan, Richard Hamilton, Simone Carletti, Thomas Gerot, Timothy, Tyler Zika, unor, Wolfgang, xims