



**FREE eBook**

# LEARNING mysql

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**#mysql**

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# About

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# Chapter 1: Getting started with mysqli

## Remarks

MySQLi is a PHP Extension which enables PHP to communicate with MySQL Databases. MySQLi comes built in with PHP. MySQLi was introduced with PHP 5.0.

MySQLi is available in procedural & Object Oriented style. MySQLi supports CRUD queries, prepared statements, Multiple statements, Transaction and SQL operations.

Before MySQLi, *MySQL* (Note: Its not *MySQLi*) is the Default extension of PHP for connecting MySQL database. Due to several vulnerabilities in MySQL extention, MySQLi was introduced.

## Examples

### Installation or Setup

MySQLi is a PHP Extension which enables PHP to communicate with MySQL Databases. **MySQLi comes built in with PHP.** MySQLi was introduced with PHP 5.0.

For More details about Installations Refer official [PHP MySQLi Documentation](#)

### MySQLi Basic Example in Procedural Style

```
<?php
//Creating Connection to MySQL database using MySQLi
$mysqli = mysqli_connect("IP ADDRESS OR DOAMIN", "username", "password", "database_name");

//Executing Query in the Database using MySQLi
$result = mysqli_query($mysqli, "SELECT * FROM TABLE");

//Getting Results from MySQL
$row = mysqli_fetch_assoc($result);
echo $row[columnName];

//Closing connection to the Database
mysqli_close($mysqli);

?>
```

Read [Getting started with mysqli online](https://riptutorial.com/mysqli/topic/4360/getting-started-with-mysqli): <https://riptutorial.com/mysqli/topic/4360/getting-started-with-mysqli>

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# Chapter 2: Connecting to the database

## Introduction

Connect to the database to change/read/update/delete data!

## Syntax

1. `mysqli_connect("server", "user", "password", "database name");`

## Parameters

Parameter	Description
1	Server host e.g. "localhost" or "127.0.0.1"
2	Server username e.g. "root" or "redstonecoder"
3	Server password e.g. "" or "l3g1t"
4	Database name e.g. "website" or "forum"

## Remarks

As I showed in the example, I saved the connection to a variable to make it cleaner in code. Otherwise, when you want to query the database, you need to connect EACH time!

It makes the code a lot cleaner!

## Examples

### `mysqli_connect`

```
<?php
$con = mysqli_connect("localhost", "root", "", "database");

?>
```

Read [Connecting to the database](https://riptutorial.com/mysqli/topic/10164/connecting-to-the-database) online: <https://riptutorial.com/mysqli/topic/10164/connecting-to-the-database>

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# Chapter 3: Reading data

## Introduction

Read the data that is collected. `$result` represents the result from the query.

## Syntax

1. `$result->mysqli_fetch_array(MYSQLI_BOTH)`
2. `$result->mysqli_fetch_array(MYSQLI_NUM)`

## Parameters

Parameter	Description
<code>MYSQLI_BOTH</code>	tells the script to use the column names as indexes e.g. <code>\$data['username']</code>
<code>MYSQLI_NUM</code>	tells the script to use number indexes e.g. <code>\$data[1]</code>

## Examples

### MYSQLi result into a numbered array

```
$data = $result->mysqli_fetch_array(MYSQLI_NUM);
```

### MYSQLi data into a column name array

```
$data = $result->mysqli_fetch_array(MYSQLI_BOTH);
```

Read Reading data online: <https://riptutorial.com/mysqli/topic/10167/reading-data>

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# Credits

S. No	Chapters	Contributors
1	Getting started with mysql	<a href="#">Avinash</a> , <a href="#">Community</a>
2	Connecting to the database	<a href="#">RedstoneCoder</a>
3	Reading data	<a href="#">RedstoneCoder</a>