



**FREE eBook**

# LEARNING PyCharm

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**#pycharm**

# Table of Contents

<b>About</b> .....	<b>1</b>
<b>Chapter 1: Getting started with PyCharm</b> .....	<b>2</b>
Remarks.....	2
Versions.....	2
Examples.....	5
Installation or Setup.....	5
Hello World.....	6
<b>Credits</b> .....	<b>7</b>

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# About

You can share this PDF with anyone you feel could benefit from it, downloaded the latest version from: [pycharm](#)

It is an unofficial and free PyCharm ebook created for educational purposes. All the content is extracted from [Stack Overflow Documentation](#), which is written by many hardworking individuals at Stack Overflow. It is neither affiliated with Stack Overflow nor official PyCharm.

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# Chapter 1: Getting started with PyCharm

## Remarks

This section provides an overview of what pycharm is, and why a developer might want to use it.

It should also mention any large subjects within pycharm, and link out to the related topics. Since the Documentation for pycharm is new, you may need to create initial versions of those related topics.

## Versions

PyCharm Version	Editions	Build	Release Date
<a href="#">2016.3.3</a>	Professional, Community	163.15188.4	2017-03-17
<a href="#">2016.3.2</a>	Professional, Community	N.A.	2016-12-30
<a href="#">2016.3.1</a>	Professional, Community	N.A.	2016-12-14
<a href="#">2016.3</a>	Professional, Community	N.A.	2016-11-03
<a href="#">2016.2.3</a>	Professional, Community	162.1967.10	2016-09-07
<a href="#">2016.2.2</a>	Professional, Community	N.A.	2016-08-25
<a href="#">2016.2.1</a>	Professional, Community	N.A.	2016-08-11
<a href="#">2016.2</a>	Professional, Community	N.A.	2016-07-21
<a href="#">2016.1.5</a>	Professional, Community	145.2073.10	2016-11-18
<a href="#">2016.1.4</a>	Professional, Community	N.A.	2016-05-26
<a href="#">2016.1.3</a>	Professional, Community	N.A.	2016-05-11
<a href="#">2016.1.2</a>	Professional, Community	N.A.	2016-04-08
<a href="#">2016.1.1</a>	Professional, Community	N.A.	2016-04-05
<a href="#">2016.1</a>	Professional, Community	N.A.	2016-03-23
<a href="#">5.0.6</a>	Professional, Community	143.2371.1	2016-11-18
<a href="#">5.0.4</a>	Professional, Community	N.A.	2016-01-28
<a href="#">5.0.3</a>	Professional, Community	N.A.	2015-12-23

PyCharm Version	Editions	Build	Release Date
5.0.2	Professional, Community	N.A.	2015-12-10
5.0.1	Professional, Community	N.A.	2015-11-11
5	Professional, Community	N.A.	2015-11-02
4.5.5	Professional, Community	141.3058	2016-05-11
4.5.4	Professional, Community	N.A.	2016-09-01
4.5.3	Professional, Community	N.A.	2016-07-09
4.5.2	Professional, Community	N.A.	2016-06-17
4.5.1	Professional, Community	N.A.	2016-05-22
4.5	Professional, Community	N.A.	2015-11-02
4.0.7	Professional, Community	139.1803	2016-05-11
4.0.6	Professional, Community	N.A.	2015-04-03
4.0.5	Professional, Community	N.A.	2015-03-10
4.0.4	Professional, Community	N.A.	2015-01-07
4.0.3	Professional, Community	N.A.	2014-12-16
4.0.2	Professional, Community	N.A.	2014-12-09
4.0.1	Professional, Community	N.A.	2014-11-27
4	Professional, Community	N.A.	2014-11-19
3.4.4	Professional, Community	135.1357	2016-05-11
3.4.1	Professional, Community	N.A.	2014-06-10
3.4	Professional, Community	N.A.	2014-05-29
3.1.4	Professional, Community	133.1884	2016-05-11
3.1.3	Professional, Community	N.A.	2014-04-22
3.1.2	Professional, Community	N.A.	2014-04-04
3.1.1	Professional, Community	N.A.	2014-02-14
3.1	Professional, Community	N.A.	2014-02-04

PyCharm Version	Editions	Build	Release Date
3.0.3	Professional, Community	131.849	2016-05-11
3.0.2	Professional, Community	N.A.	2013-12-02
3.0.1	Professional, Community	N.A.	2013-10-17
3	Professional, Community	N.A.	2013-09-24
2.7.4	N.A.	129.1566	2016-05-11
2.7.3	N.A.	N.A.	2013-06-18
2.7.2	N.A.	N.A.	2013-04-18
2.7.1	N.A.	N.A.	2013-02-28
2.7	N.A.	N.A.	2013-02-07
2.6.3	N.A.	121.378	2012-10-26
2.6.2	N.A.	N.A.	2012-09-17
2.6	N.A.	N.A.	2012-09-04
2.5.2	N.A.	117.663	2012-06-29
2.5.1	N.A.	N.A.	2012-05-08
2.5	N.A.	N.A.	2012-04-13
2.0.2	N.A.	111.291	2012-02-07
2.0.1	N.A.	N.A.	2011-12-15
2	N.A.	N.A.	2011-12-13
1.5.4	N.A.	107.756	2011-08-29
1.5.3	N.A.	N.A.	2011-07-12
1.5.2	N.A.	N.A.	2011-06-17
1.5	N.A.	N.A.	2011-06-06
1.2.1	N.A.	105.58	2011-04-12
1.2	N.A.	105.58	2011-03-15
1.1.1	N.A.	101.15	2011-01-18

PyCharm Version	Editions	Build	Release Date
1.1	N.A.	N.A.	2010-12-23
1.0.1	N.A.	101.15	2010-11-12
1.0	N.A.	N.A.	2010-10-13

## Examples

### Installation or Setup

There are two PyCharm editions: **Community** and **Professional**.

Both are downloadable from [JetBrains website](#). Additionally, there is another edition, [PyCharm Edu](#). JetBrains recommend this edition, if you are learning or teaching Programming with Python.

The supported platforms are **Windows**, **Linux** and **macOS**.

To install PyCharm on:

- Windows: Run the .exe file and follow the instructions of PyCharm Setup wizard
- Linux: Unpack the .tar.gz archive into any directory within your home directory
- OS X: Open the .dmg package, and drag PyCharm to the Applications folder

### Windows

Go to the download page, choose the desired edition and go through the classic installer.

### Linux

There are two options on how to install PyCharm on Linux which depends on if your distro supports ppa packages.

1. If your distro doesn't support ppa packages or simply you want download PyCharm directly to the JetBrains website, follow this procedure:

- Download the `<pycharm-professional or pycharm-community>-*.*.tar.gz` file from the download page.
- Unpack the `<pycharm-professional or pycharm-community>-*.*.tar.gz` file to a different folder, if your current "Download" folder doesn't support file execution

```
tar xzf <pycharm-professional or pycharm-community>-*.*.tar.gz <new_archive_folder>
```

- Switch to the bin directory:

```
cd <new archive folder>/<pycharm-professional or pycharm-community>-*.*.tar.gz/bin
```

- Run `pycharm.sh` from the `bin` subdirectory

2. If your distro supports ppa packages, type this in the terminal:

```
sudo add-apt-repository ppa:mystic-mirage/pycharm
sudo apt-get update
sudo apt-get install pycharm
```

If you are not sure about this information, choose the first method.

## macOS

Go to the download page, choose the desired edition and open the .dmg package, and drag PyCharm to the Applications folder.

## Hello World

1. Open PyCharm
2. Select *Create New Project*
  - Select the desired location to create the project
  - Select the python interpreter
  - Click *Create*
3. Create a new python file e.g. with File->New...-> Python File
4. Add the following code

```
#!/usr/bin/env python
print("Hello World")
```

5. Run the code e.g. with Run->Run...-> *YourCreatedPythonFile*

Read [Getting started with PyCharm online](https://riptutorial.com/pycharm/topic/4777/getting-started-with-pycharm): <https://riptutorial.com/pycharm/topic/4777/getting-started-with-pycharm>



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# Credits

S. No	Chapters	Contributors
1	Getting started with PyCharm	<a href="#">allieluu</a> , <a href="#">Community</a> , <a href="#">FreshD</a> , <a href="#">Giordano</a> , <a href="#">iScrE4m</a> , <a href="#">kmasif</a> , <a href="#">Ray</a>