

PYTHON RealTime IDEs

Define IDE?

Integrated Development Environment is a software application, that provides comprehensive facilities to computer programmers for software development.

What is PyCharm?

It is the best IDE for realtime PYTHON projects. It provides code analysis, a graphical debugger, an integrated unit tester and supports web development with Django framework.

PyCharm Come in two editions:

- 1 Community Edition (Fully-Free)
- 2 Professional Edition (Commercial-\$199)

PyCharm IDE Installation:

1 Go to <https://www.jetbrains.com/pycharm/download>

OR

2 <https://www.jetbrains.com/pycharm/promo/anaconda/>

3 Install any Edition Community or Professional

4 It is cross-platform and works on Windows, macOS, and Linux.

PyCharm IDE Features List:

- 1 Intelligent Coding Assistance
- 2 Built-in Developer Tools
- 3 Web Development
- 4 Scientific Tools

Components of Pycharm:

It has mainly the following Components:

1. Menu or Dashboard
2. Project Panel
3. Code Editor
4. Console or Output Window

How to create a project:

1. Goto file menu, click on New project, Enter name of the Project PYTHON_6AM
2. Select Current window
3. Right click on the project select Python file, enter name of the file.
4. Enter required python source code as follows

Example:

```
print("Hello Welcome to PYCHARM")
x=input("Enter any Number: ")
print(x)
import os
print(os.getcwd())
import sys
print(sys.platform)
print(sys.path)
import platform
print(platform.python_version())
import keyword
```

```
print(keyword.kwlist)
```

To run the code Ctrl+Shift+F10