

* Getting, Installing Python

• Getting Python

- The most up to date and current source code is available on the official website of Python :- www.python.org

- you can download Python documentation from <https://www.python.org/doc/>.

→ The documentation is available on site, and it is available in HTML, PDF.

• Installing Python

- Python can be installed from python.org.

- visit the link :- <https://www.python.org/downloads> to download the latest release of Python.

- when you click on the download button, Python can be installed right after you complete the setup by executing the file.

- Tip :- Just Install it like a game. 😊

Python Environment Variables

Here are important environment variables:-

- (i) PYTHONPATH:- It has role similar to PATH.
→ It is used to set the path for the user-defined modules so that it can be directly imported into a Python Program.
- (ii) PYTHONSTARTUP:- It contains the Path of an initialization file containing Python source code.
→ It is executed every time you ^{start the} interpreter.
- (iii) PYTHONCASEOR:- This environment variable is used to ignore all import statements while calling the Python Interpreter.
- (iv) PYTHONHOME:- This variable is used to set the default location of the standard Python libraries.
- (v) PYTHONINSPECT
- (vi) PYTHONVERBOSE

* Running Python

There are 3 standard ways to start Python

1. Using Interactive Mode
2. Using Command-line (IDE).
3. Using an Integrated Development Environment

1. Using Interactive mode :- In this, you basically call the Python Interpreter.

To enter into the interactive mode of Python use the below commands :-

```
$python # Unix / Linux
```

OR

```
python . # Unix / Linux
```

OR

```
C: > python # Windows / DOS
```

Example :- C:\Users\palvi > python

2. Using command-line :-

In this method of using Python, you need to call the Python interpreter first and then ask it to run a Python file.

\$ python script.py # Unix / Linux
or

python -l script.py # Unix / Linux
or

c: > python script.py # windows / DOS

3 = Using Integrated Development Environment

IDE :-

You can run Python from a Graphical User Interface (GUI) environment as well, if you have a GUI application on your system that supports Python.

Windows - PythonWin is the first Windows Interface for Python and is an IDE with a GUI.

* Make sure the Python environment is properly set up and working perfectly fine.