

Python:

- How to install Python
- How many ways are there to execute a python program
- Python IDEs
 - Pycharm
 - Eclipse
 - Spider

Summary -



Advantages of learning Python:

- Concise Code
100 line of code \Rightarrow 10-15 lines
in other language in Python
- Rich Libraries
- Free (Open Source)

Python Installation:

cmd \rightarrow python \Leftarrow
version and other details should
show.

otherwise download python for
pc version

Versions Of Python :

3.6.5

2.7.14

↳ No support
from 2020.

Go parallelly.

<https://www.python.org>

- * Check Add to path invariably while installing Python.

Ways to Execute Python Program:

①

- Python IDLE

→ Read print Execute
Loop

REPL Tool

↳ Just write the code in
console itself.

```>>> print("Hello World") ↵

⇒ Simplest.

②

- Command Prompt:

C:\ Ankit Singh \....\ python(or py) ↵

python shell will prompt.

## Exiting from Python Shell:

```>>> Ctrl + Z or exit() ↵

③ Write program in a file and execute:

- Open Notepad
- Write Below code

```
n = int(input("Enter Some Number:"))
```

```
for i in range(n):
```

```
    print("Hello Amit Singh")
```

- save notepad as
anyname.py in any folder
for Ex - Desktop/python-basics

```
cmd → C:\ → cd Desktop →
```

```
cd python-basics ↴
```

```
→ python & anyname.py ↴
```

>>> Result of the program will appear.

One more Example:

$x = \text{int}(\text{input}(\text{"Enter first Number"}))$

$y = \text{int}(\text{input}(\text{"Enter Second Number"}))$

$\text{print}(x+y)$

$\text{print}(x-y)$

$\text{print}(x*y)$

$\text{print}(x/y)$

We have to follow running the program from all the methods told earlier -

Writing Code in Editor / IDE :

- Small Codes can be written in terminal / notepad.
 - Big programs must be written in Notepad++ / Editplus / IDEs
- " Syntax is shown \Rightarrow Helps in debugging the code easily.
- IDEs** → for Big Applications.
- Pycharm (Best IDE)
 - Eclipse (Universal 😊)
 - Spyder etc...
- \Rightarrow 70% of code is generated by IDE itself.

Note: Use Editor until confident
with core python & Advance Python.
 \therefore each word is to be written
to learn better programming.