

# Programming



- ✓ Program :  
A set of instructions which is used to perform a specific Task.
- ✓ Programming Languages :  
These languages help us to write those instructions according to its own identity.



R programming



Python



Java



C programming



# PYTHON



- ✓ Python :  
It is high-level, interpreted Programming Language.
- ✓ Creator:  
Guido van Rossum
- First Release :  
February 20, 1991

## Features :

- ✓ Easy to Code
- ✓ High-level language
- ✓ Dynamic typed Language
- ✓ Future of AI, ML
- ✓ Suitable for all Platforms

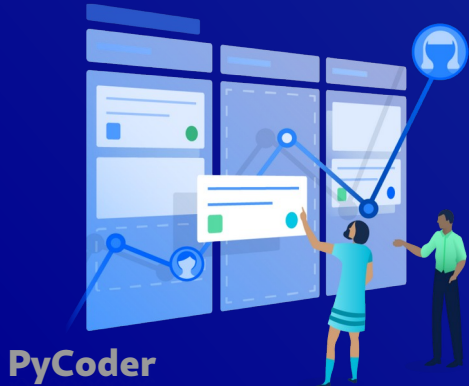


Python

# Installation



1. Download **.exe** file from <https://www.python.org/downloads/windows/>
  - ✓ Select Windows installer (32/64 bit) under latest stable version.
2. Right click on **.exe** & select run as Administrator.
3. Tick on add to **PATH** for access python from anywhere in system.
4. To verify installation , open *cmd* & type python, hit enter





It is Python's Integrated Development and Learning Environment.

## Shell

```
>>> print("Hello World")
Hello World
>>> a=20
>>> a
20
```

## Text-editor

```
print("Hello World")
a = 10
print(a)
```



# print() statement



Syntax:

```
print(args ... , sep=' ', end='\n', file=sys.stdout, flush=False)
```

args are contents  
To display

What should be separator  
among all args

False : Buffered  
True : unbuffered

Where should  
output send. File or console

What should display after all  
args printed



# print() statement



Example:

```
print("Hello", "World" , sep='_', end=';', file=sys.stdout, flush=False)
```

Output:

```
Hello_World;
```

