

Python Overview

- > Python is a programming language which is used to develop the software.
- > It is similar as English language.
- > It is easy to learn and use.
- > What can python do?
 - used as a back-end/server side
 - software development
 - database systems
 - complex mathematics or big data
 - by using various libraries we can use python as a front end
- > It is portable language. We can run a program on any system on another machine. (windows to linux or linux to windows)
- > We can write a program without using classes & object.
- > Syntax used in python are not complicated. they are easily readable & simple.
- > Expressive language is used in python.
- > Python is interpreted language.
 - So debugging is easy
 - & it is platform independent

- > Python is free and open source.
- > Python's website :- python.org
- > Python having concept of / supported to concepts like inheritance, encapsulation, classes & objects.
- > ~~python~~ python is freely accessible
- > python mostly used in Robotics, Image processing etc.
- > python is not only designed for back-end it also supported to GUI (Graphical User Interface).

> Defination :-

python is procedure oriented, object oriented, platform independent, open source programming language.

- > python mostly used in machine learning.