

Python Introduction

Python is a general purpose, dynamic, high level and interpreted programming language. It supports Object Oriented programming approach to develop applications. It is simple and easy to learn and provides lots of high-level data structures.

The syntax of the language is clean and length of the code is relatively short. It's fun to work in Python because it allows you to think about the problem rather than focusing on the syntax.

It is used for web development (server-side), software development, mathematics, system scripting.

Python Features

- **Interpreted Language**

Python is processed at runtime by Python Interpreter.

- **GUI Programming Support**

Graphical user interfaces can be developed using Python.

- **Object-Oriented Language**

It supports object-oriented features and techniques of programming.

- **Interactive Programming Language**

Users can interact with the python interpreter directly for writing programs.

- **Free and Open Source**

Python language is freely available at official web address. The source-code is also available. Therefore it is open source.

- **Easy language**

Python is easy to learn language especially for beginners.

- **Straightforward Syntax**

The formation of python syntax is simple and straightforward which also makes it popular.

- **Easy to read**

Python source-code is clearly defined and visible to the eyes.

- **Portable**

Python codes can be run on a wide variety of hardware platforms having the same interface.

- **Extendable**

Users can add low level-modules to Python interpreter.

- **Scalable**

Python provides an improved structure for supporting large programs then shell-scripts.