

Module 1: Python Introduction

What is Python?

Python is a simple, high-level, interpreted, procedure oriented, object oriented and free to use general purpose programming language developed by Guido van Rossum and released in Feb 1991.

Why the name Python?

Van Rossum picked the name Python from TV show Monty Python's Flying Circus.

Python Logo:

Tim Parkin designed the logo of python.

From the logo:



- ☐ Eyes form the colon which is used heavily in the language.
- ☐ Python coils around their eggs which succeeds in making snake into a letter P

Python Features:

Simple and Easy:

Programs in Python are written in English like statements which implies more clarity and a compact code.

Procedure and Object Oriented:

Python programs can be created using functions and also using classes and objects

Dynamically Typed:

In Python an assignment binds a name to an object meaning no data type to be specified.

Interpreted:

Python code is translated into byte code and then the byte code is interpreted by Python Virtual Machine (PVM).

Platform Independent and Portable:

Python's compiler generated byte codes which can be run on any system having PVM.

Huge library:

Python has huge library for developing programs faster.