

## 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.

## Module 1: Python Introduction Test

Q1) Python Language was developed by:

Options:

- A. James Gosling
- C. Dennis Ritchie

- B. Steve Jobs
- D. Guido van Rossum

Solution:

Q2) Python is \_\_\_\_\_ typed language.

Options:

- A. Statically
- C. English

- B. Dynamically
- D. None of the above

Solution:

Q3) Which of the following is not the feature of Python?

Options:

- A. Procedure Oriented
- C. Interpreted

- B. Object Oriented
- D. Platform Dependent

Solution:

Q4) What is the general extension of the python programs?

Options:

- A. .pyc
- C. .python

- B. .py
- D. .p

Solution:

Q5) What command should be used to run python program assuming the name of program is Hello.py ?

Options:

- A. python Hello.py
- C. pyc Hello

- B. py Hello.py
- D. python Hello

Solution: