PYTHON

1)PYTHON INTRODUCTION

* Python is an interpreted, object-oriented, high-level programming language
* It was developed by Guido van Rossum in 1991.
* It is used for performing data analysis, automating tasks, learning data science, machine learning, etc.
* It was mainly developed for code readability and reusability.

2)WHERE IS PYTHON USED?

* Web and Internet development
* Software development
* Scientific and Numeric applications
* Education
* Desktop GUIs
* Business Applications

3)WHY PYTHON?

* Simple
* Easy to learn
* Free and Open source
* High-level
* Dynamically typed
* Portable
* Platform Independent
* Interpreted
* Multiparadigm
* Extensive Library
* Garbage collection

4)HISTORY OF PYTHON

The name Python is inspired by the British comedy Monty Python! The first Python implementation was in December 1989 in the Netherlands.

Versions:

* Python 0.9.0released in February 1991
* Python 1.0released in January 1994
* Python 2.0released in October 2000
* Python 2.6 released in October 2008
* Python 2.7 released in July 2010
* Python 3.0 released in December 2008
* Python 3.4 released in March 2014
* Python 3.6 released in December 2016
* Python 3.7 released in June 2018

5)PYTHON IDLE ENVIRONMENT

IDLE -Integrated Development Learning Environment

* It has multi-window text editor with syntax highlighting,  auto-completion, smart indent.
* The Shell Window execute command at the statement complete.

6)PYTHON DATATYPES

* Numbers (Integer and Float)
* String
* List (Array)
* Tuple (Constant Array)
* Dictionary