

Assignment 1

Python Programming Language

Q1) Who developed Python programming

A) Guido Van Rossum developed Python programming language and first released on 20 Feb 1991

Q2) Which type of programming does Python support?

A) Python is an interpreted programming language, supporting object-oriented, structured and functional programming.

Q3) Is Python case sensitive when dealing with identifiers?

A) Yes.

Q4) What is the correct extension of the Python file?

A) .py, .pyi, .pyc, .pyd, .pyo, .pyw, .pyz are the correct extension of Python.

Q5) Is Python code is compiled or interpreted?

A) Python code first compiled then interpreted line by line.

Q6) Python code is compiled.

Q7) Name a few blocks of code used to define in Python language.

A) A block is a piece of Python program text that is executed as a unit. The following are blocks

1) A module

2) A function body

3) A class definition

Q 7 > State a character used to give single-line comments in python.

Ans # character is used.

Q 8 > Mention functions which can help us to find the version of python that we are currently working on?

Ans Python-version() function is used.

Q 9 > Python supports the creation of anonymous function at runtime, using a construct called lambda.

Q 10 > What does PIP stand for Python?

Ans Preferred installer Program.

Q 11 > Mention a few built-in function in python?

Ans bool() Returns the boolean value

Float() Returns a floating point number

format() Formats a specified value

Q 12 > What is the maximum possible length of an identifier in python?

Ans 79 characters.

Q 13 > What are the benefits of using python?

Ans > Simple to use and understand

> Portability

> Extensive library

> Free and open-source

Q14) How is memory managed in python?

As- Memory management in python involves a private heap containing all python objects and data structures. The management of this private heap is ensured internally by the python memory manager. The memory managed by Python private heap space.

Q15) How to install python on window and set path variable?

A 1) Download python from python.org

2) Install in the window and set the location.

3) set path variable to copy the location of python file in Enviromental variable.

Q16) Is Indentation required in python?

As yes Indentation is mandatory in python to define the block of statement.