

29 Jan Assignment

February 14, 2023

1 Question 1 who develop the python programming language

[]: ANS : Guido van Rossum developed the python programming language

2 Question 2 which type of programming does python support?

[]: ANS: Python **is** a multi-paradigm programming language.
Object-oriented programming **and** structured programming are fully supported.

3 Question 3 is python case sensitive when dealing with identifiers

[]: ANS : Yes, Python **is** a case-sensitive language, i.e., it treats uppercase **and**
↳ lowercase characters differently.

4 Question 4 what is the correct extension of the python file?

[]: ANS : .py **is** the correct extension of the python file.

5 Question 5 what is the correct extension of the python file?

[]: ANS : Python **is** an interpreted language, which means the source code of a
↳ Python program **is** converted
into bytecode that **is** then executed by the Python virtual machine

6 Question 6 Name a few blocks of code used to define in python language?

[]: ANS : A module, a function body, **and** a **class definition** are few blocks of code
↳ used to define **in** python language

7 Question 7 State a character used to give single line comment in python?

[]: ANS : (#) a character used to give single line comment in python

8 Question 8 Mention function which can help us to find the version of python that we are currently working on?

[]: ANS : sys.version function which can help us to find the version of python that we are currently working on.

9 Question 9 Python supports to make anonymous functions which are not bound to a name runtime using a construct called _____.

[]: ANS: Python supports to make anonymous functions which are not bound to a name runtime uses a construct called "lambda" .

10 Question 10 what does pip stand for python

[]: ANS : preferred installer program

11 Question 11 Mention a few built in function in python ?

[]: ANS: print(), type(), input(), sorted(),max(),min()

12 Question 12 what is the maximum length of a python identifier

[]: ANS : An identifier can have a maximum length of 79 characters in Python

13 Question 13 what are the benefits of using python?

[]: ANS: It is easy to write. most the of the professional used this code to write code. It is high level language.

14 Question 14 how is memory managed in python

[]: ANS: Python involves a private heap containing all Python objects and data structures.

15 Question 15 how to install python on windows and set path variable?

[]: ANS: Right-clicking This PC and going to Properties.
Clicking on the Advanced system settings in the menu on the left.
Clicking on the Environment Variables button on the bottom right.
In the System variables section, selecting the Path variable and clicking on Edit. The next screen will show all the directories that are currently a part of the PATH variable.
Clicking on New and entering Python's install directory.

16 Question 16 is indentation required in python?

[]: ANS: Yes, indentation is required in python and it is very important.