

ASSIGNMENT- 1 (29 January 2023)

1. Who developed Python Language?

Ans: Guido van Rossum

2. Which type of programming does python support?

Ans: Python supports following types of programming: Object Oriented, functional oriented and structural oriented.

3. Is python case sensitive while dealing with identifiers?

Ans: Yes, it is case sensitive.

4. What is correct extension of python file?

Ans: .py is the correct extension.

5. Is python compiled or interpreted?

Ans: Python is an interpreted language

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

Ans: We use indentation to define blocks of code in python.

7. State a character used to give single line comment.

Ans: # is used for single line comment

8. Mention functions which helps to find the version of python?

Ans: sys.method, python_version() , Python -V and also, python --version

9. Python supports the creation of anonymous functions at runtime, using a construct called?

Ans: lambda

10.What does pip stand for?

Ans: preferred installer program

11.Mention a few built-in functions of python.

Ans: print(), bool(), int(), str(), list(), max()

12.What is maximum possible length of identifier in python?

Ans: 79 characters

13.What are benefits of using python?

Ans: Extensive Libraries, Large community support, open-source, portable, dynamically typed.

14.How is memory managed in python?

Ans: Memory is managed by private heap space which contains all python objects and data structures.

15.How to install python on windows and set path env variable?

Ans:

- Install python from this link <https://www.python.org/downloads/>
- After this, install it on your PC.
- Look for the location where PYTHON has been installed on your PC using the following command on your command prompt: cmd python.
- Then go to advanced system settings and add new variable and name it as PYTHON_NAME and paste the copied path.

- Then look for the path variable, select it's value and select edit
Add a semicolon towards the end of the value if it's not present and
then type %PYTHON_HOME%

16.Is indentation required in python?

Ans: Yes, it is required.