

Python assignment

1. Who developed python programming language?

Ans:- python language developed by Guido van Rossum.

2. Which type of Programming does Python support?

Ans:- Python supports Object-Oriented, Imperative, and Functional programming paradigms.

3. Is Python case sensitive when dealing with identifiers?

Ans:- Yes, Python is case sensitive when dealing with identifiers.

4. What is the correct extension of the Python file?

Ans:- “.py” correct extension.

5. Is a Python code compiled or interpreted?

Ans:- interpreted.

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

Ans:- Module, Function Body, Class, Packages, Exceptions.

7. State a character used to give single-line comments in Python?

Ans:- A hash symbol (#) is used to give single-line comments in Python.

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

Ans:- The functions "sys.version" or "platform.python_version()" can be used to find the version of Python.

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

Ans:- “lambda”.

10. What does pip stand for python?

Ans:- Performance improvement plans and is a package management system used to install and manage software packages written in Python.

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

Ans:-Print(),len(),range(),input(),type(),find()....

12. What is the maximum possible length of an identifier in Python?

Ans:- The maximum possible length of an identifier in Python is not specified but it can vary based on the implementation.

13. What are the benefits of using Python?

Ans:- Benefits of using Python include its simplicity and ease of use, readability, wide range of libraries and modules, platform independence, and large community support.

14. How is memory managed in Python?

Ans:-Memory management in Python is handled by the Python Memory Manager, which uses reference counting and a garbage collector to manage the allocation and deallocation of memory.

15. How to install Python on Windows and set path variables?

Ans:- To install Python on Windows, one can download the installation package from the official Python website and follow the installation wizard. To set the path variables, one needs to go to the Environment Variables settings and add the Python installation path to the "Path" variable.

16. Is indentation required in python?

Ans:- Yes, indentation is required in Python as it is used to indicate the block of code that belongs to a specific control statement or function.