

PW - ASSIGNMENT

DATE – 29TH JAN

Question – 1: Who developed Python Programming Language?

Answer – 1: Guido Van Rossum

Question – 2: Which type of Programming does Python support?

Answer – 2: Python is a multi-paradigm programming language. Object-oriented programming and structured programming are fully supported, and many of their features support functional programming and aspect-oriented programming.

Question – 3: Is Python case sensitive when dealing with Identifiers?

Answer – 3: Yes, Python is case sensitive when dealing with identifiers.

Question – 4: What is the correct extension of the Python file?

Answer – 4: .py

Question – 5: Is Python code compiled or interpreted?

Answer – 5: Python code is interpreted.

Question – 6: Name a few blocks of code used to define in Python language?

Answer – 6: Module, Class definition, Function body.

Question – 7: State a character used to give single line comments in Python?

Answer – 7: #

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

Answer – 8: sys.version

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

Answer – 9: lambda

Question – 10: What does pip stand for python?

Answer – 10: It is an acronym of pip Install Packages

Question – 11: Mention a few built-in functions in python?

Answer – 11: bool(), len(), print()

Question – 12: What is the maximum possible length of an identifier in python?

Answer – 12: 79 characters

Question – 13: What are the benefits of using python?

Answer – 14: Benefits of using python are -

* Free and open source
* Simple to use and understand
* Dynamically typed

Question – 14: How is memory managed in python?

Answer – 14: 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.

Question – 15: How to install python on windows and set path variables?

Answer – 15:

Installing Python -

* Go to python official website
* Click on install according to your PC configuration
* Go on downloads on your PC
* Click on setup and install Python

Setting Path Variables -

1. Right-clicking This PC and going to Properties.
2. Clicking on the Advanced system settings in the menu on the left.
3. Clicking on the Environment Variables button o​n the bottom right.
4. 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.
5. Clicking on New and entering Python’s install directory.

Question – 16: Is indentation required In python?

Answer – 16: Indentation is important to Python, because it's how you determine scope. Scope is how Python knows what code belongs to what part of the program.