

PYTHON

**Assignment on 29th
january**

SKILLS

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Assignment Questions And Answers

1. **Who** developed **Python** Programming Language?

Ans: It was created by Guido van Rossum and first released in the year 1991.

2. **Which type of** Programming **does** Python support?

Ans: Python is an interpreted programming language, which supports object-oriented programming, structured programming and functional programming.

3. Is **Python** case sensitive when dealing with identifiers?

Ans: Yes, python is case sensitive while it is dealing with identifiers.

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

Ans: Python is a widely used programming or coding language used for different purposes. The extensions for Python files are - .py, .pyi, .pyc, .pyd, .pyo, .pyw, and .pyz.

5. Is Python **code compiled** or interpreted?

Ans: In python the code will be interpreted. 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. Name a few blocks of code used to define in **Python** language?

Ans: Indentation is used to define a block of code in python. Indentation makes python a unique language among many other programming languages.

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

Ans: # character 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: To get the version of python interpreter, they are listed as follows:

- 1.using sys.version method
2. Using python_version() function

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

“lambda”.

10. What does pip stand for python?

Ans: pip stands for "preferred installer program" for python.

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

Ans: there are many built-in functions in python. Some of them are as follows:

print(), type(), int(), str(), dir(), sorted(), max(), etc.

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

Ans: An identifier can have a maximum length of 79 characters in Python.

13. What are the benefits of using Python?

Ans: Python is very easy to learn. And at the same time it is used in many domains of technology. Some of them are as follows:

1. Data science
2. Scientific mathematical computing.
3. Web development.
4. Computer graphics.
5. Game development.

14. How is memory managed in Python?

Ans: 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.

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

Ans: First of all download python new version through web browser then install it in windows after that set path variables the process is as follows.

The complete path of python.exe can be added by:

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 on 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.

16. Is indentation required in python?

Ans: Yes, indentation is required in python.