**PYTHON**

**Assignment Questions**

SKILLS

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**Assignment Questions**

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

Ans - Guido van Rossum

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

**Ans - Python** is an interpreted programming language, supporting object-oriented, structured, and functional programming.

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

Ans - Yes

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

Ans - .py

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

**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. Python is different from major compiled languages, such as C and C + +, as Python code is not required to be built and linked like code for these languages.

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

**Ans - The** following are blocks: a module, a function body, and a class definition.

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

**Ans - #**

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

Ans - sys. version

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

Ans – lambda

10. **What** does **pip** stand **for python**?

Ans - Preferred Installer Program

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

Ans – input(), int(), str() etc

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

**Ans - 79**

13. What are the benefits of **using Python**?

Ans - High-level programming languages like Python are easier to understand, automate tasks such as memory management and other low-level computer processes, and generally have a lot of abstraction from the computer system.

14. How **is** memory managed **in** Python**?**

**Ans -** Python uses the dynamic memory allocation which is managed by the Heap data structure. Memory Heap holds the objects and other data structures that will be used in the program. Python memory manager manages the allocation or de-allocation of the heap memory space through the API functions.

15. **How** to install **Python** on Windows **and** set **path** variables? 16. Is indentation **required in python?**

**Ans - Path will be set for executing Python programs.**

1. Right click on My Computer and click on properties.
2. Click on Advanced System settings. ...
3. Click on Environment Variable tab. ...
4. Click on new tab of user variables.
5. Write path in variable name.
6. Copy the path of Python folder.
7. Paste path of Python in variable value.

**Yes Indentation is mandatory in python.**

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Data Science Masters