

PYTHON

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Assignment Answers1

Assignment Questions

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

Ans1. Guido van Rossum

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

Ans2. Object oriented, structured, and functional programming.

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

Ans3. Yes

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

Ans4. (.py)

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

Ans5. Interpreted

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

Ans6. **Name="Jasvinder Singh"**

If Name=="Jasvinder Singh"

print("Correct Name!!")

else:

print("Incorrect Name")

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

Ans7. By adding **single # character before any statement or line of code.**

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

Ans8. import sys

print(sys.version)

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

Ans9. **FunctionType()**

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

Ans10. Preferred installer program

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

Ans11. print(),type(),input(),sorted()

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

Ans11. 79 characters

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

Ans13. Python is the most popular programming language world-wide, so if you want to work in a different country, you have a good chance of landing a job in a dream company and profile likes DATA SCIENCE, WEB DEVELOPMENT, GAME DEVELOPMENT

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

Ans14. In Python, memory is managed by the Python manager which determines where to put the application data in the memory. So, we must have the knowledge of a Python memory manager to write efficient code and maintainable code.

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

Ans15. 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 a new variable and name it as PYTHON_NAME and paste the copied path.

Then look for the path variable, select its 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?**

Ans16. Yes, the indentation in python is very important.