

## **Data Science Masters Assignment\_1**

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

**Ans :** Guido Van Rossum

**2. Which Type of Programming Does Python Support?**

**Ans :** Object Oriented Programming and Structured Programming.

**3. Is python Case sensitive when dealing with identifiers?**

**Ans :** Yes, Python is case sensitive

**4. What is the correct extension for the python file?**

**Ans:** .ipynb and .py are the correct extension for the python file.

**5. Is python code compiled or Interpreted?**

**Ans:** Python code is interpreted.

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

**Ans:** function

**7. State a character to give a single-line comment in python?**

**Ans:** # is used to give single line comment in python.

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

**Ans:** python --version, gives us the version of python which we are currently using

**9. Python supports the creation of anonymous functions on runtime, using a construct called \_\_\_\_\_.**

**Ans:** Lambda

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

**Ans:** pip stands for Preferred installer Program

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

**Ans:** Here are few built in functions in python

- 1) print()
- 2) len()
- 3) min()
- 4) max()
- 5) type()
- 6) id()

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

**Ans:** The maximum possible length of an identifier in python is 79 characters

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

**Ans:** Python is a high level language and it has a very simple and easily understandable syntax. We can use python in different different domains like in web development, Data Science.

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

**Ans:** By using Heap memory is managed in python.

**15. How to install python on windows and set path variables?**

**Ans:**

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.

**16. Is indentation required in python?**

**Ans:** Yes, indentation is required in python