**ASSIGNMENT 1**

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

**Ans 1.** Guido van Rossum

**Q 2. Which type of programming does Python supports?**

**Ans 2.** Python supports Object oriented programming and structured programming.

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

**Ans 3.** Yes python is a case sensitive language when we are dealing with identifiers.

**Q 4. What is the correct extension of the python files?**

**Ans 4.** Correct extension of the Python files is .py

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

**Ans 5.** Python code is of interpreted type.

**Q 6.** **Name a few Blocks of code used to define in python language.**

**Ans 6.** Len(), type(), count(), print(), str(), int(), etc are some of the block codes used to define in Python language

**Q 7.** **State a character used to give single-line comments in python**

**Ans 7.** Hash(#) is the character when used before a line then it converts it into a comment. We can call it by a short key after selecting a para of text by calling “Crtl + Back slash(/)”

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

**Ans 8.** Sys.version is the function that help us to find the version of python that we are currently working on.

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

**Ans 9.** Lmabda

**Q 10.** **What does pip stands for in python?**

**Ans 10.** Preferred installer program

**Q 11.** **Mention some of the built in functions in python.**

**Ans 11.** append, extend, insert, pop, remove, sort, reverse etc. are some of the inbuilt functions in python.

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

**Ans 12.** 79 Characters is the limit for the possible length of an identifier in Python.

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

**Ans 13.** 1. It is easy to understand.

2. It can be used in Data Science, web development etc.

3. Scientific and mathematical computing can be done using python.

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

**Ans 14.** Python private heap Space.

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

**Ans 15.** First go to the the python official website and download python according to the system type either it is 32 bit or 64 bit

Then follow normal installation process

And for the path go with the following steps

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.

5. The next screen will show all the directories that are currently a part of the PATH variable.

6. Clicking on New and entering Python’s install directory.

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

**Ans 16.** Yes indentation is required in the Python programming language.