**Python Assignment 1**

1. Python was developed by Guido van Rossum.
2. Python supports Object-oriented programming and structured programming.
3. Yes, Python is a case-sensitive language while dealing with identifiers.
4. Extensions of Python File are as follows - .py, .pyi, .pyc, .pyd, .pyo, .pyw, and .pyz.
5. Python is an interpreted language, which means the source code of a Python program is converted into byte code that is then executed by the Python virtual machine.
6. The following are blocks: a module, a function body, and a class definition. Each command typed interactively is a block.
7. Hash character (#) is used to comment the line in the Python program.
8. The function sys. Version can help us to find the version of python that we are currently working on.
9. Python supports the creation of anonymous functions at runtime using a construct called lambda.
10. Pip stands for preferred installer program.
11. Some few in-built function in python are print ( ) function, type ( ) function, max ( ) function, input ( ) function, abs ( ) function, pow ( ) function etc.
12. An identifier can have a maximum length of 79 characters in Python.
13. The benefits of using Python are large developer community, Extensive libraries, Write less and do more, Portability, Wide range of use cases.
14. Memory management in Python involves a private heap containing all Python objects and data structures.
15. 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 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. Indentation refers to the spaces at the beginning of a code line. Where in other programming languages the indentation in code is for readability only, the indentation in Python is very important. Python uses indentation to indicate a block of code.