29th Jan Python Assignment

1. Guido Van Rossum
2. Python is an interpreted programming language, supporting object-oriented, structured, and functional programming.
3. Yes, Python is a Case-sensitive Language.

## Extensions of Python File are as follows - .py, .pyi, .pyc, .pyd, .pyo, .pyw, and .pyz.

1. Python is an Interpreted Language.
2. The following are blocks: a module, a function body, and a class definition.
3. Hash character(#) is used to comment the line in the Python program.
4. The function sys. Version can help us to find the version of python that we are currently working on.
5. Python supports to make anonymous functions which are not bound to a name. It uses a construct called “lambda”.
6. Pip stands for “preferred installed program”.
7. Python built-in Functions: print(), type(), input(), pow(), max(), min() e.t.c.
8. An identifier can have a maximum length of 79 characters in Python.
9. Benefits of Python: 1. Easy to learn and Use, 2. Hundreds of Python Libraries and Frameworks, 3. The flexibility of Python language, 4. Big Data, Machine Learning and cloud computing, 5. It is Interpreted.
10. Python memory manages the allocation or de-allocation of the heap memory space through the API functions.
11. Install python from this link <https://www.python.org/downloads/>
12. After this, install it on your PC. Look for the location where PYTHON has been installed on your PC using tge following command on your command prompt: cmd python.
13. Then go to advanced system settings and add new variable and name it as PYTHON\_NAME and paste the copied path.
14. Then look for the path variable, select it's value and select edit
15. Add a semicolon towards the end of the value if it's not present and then type %PYTHON\_HOME%
16. Indentation is a very important concept of Python because without properly indenting the Python code, you will end up seeing indentationError and the code will not get compiled.