

## Assignment Python

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1. Guido Van Rossum
2. Python is a multi-paradigm programming language. Object-oriented programming and structured programming are fully supported, and many of their features support functional programming and aspect-oriented programming (including metaprogramming and metaobjects).
3. Yes, it is case sensitive.
4. .py extension
5. Python code is interpreted
6. Indentation is used to define a block of code in python.
7. # character is used to write single line comments
8. We have to type python –version in the cmd (command line)
9. Lambda
10. Pip- preferred installer program
11. List(), len(), range(), input(), print(), str(), type(), append(), extend()
12. 79 characters
13. Python programming language is a general-purpose, interpreted, and high-level language that mainly offers code readability. It is largely used by professional programmers and developers across a variety of fields, including Web Development and Machine Learning.
14. Memory in Python is managed by Python private heap space. All Python objects and data structures are located in a private heap. This private heap is taken care of by Python Interpreter itself, and a programmer doesn't have access to this private heap.
15. Python can be installed from python.org , and we can add the path by:  
In the section entitled User Variables, double-click on the entry that says Path. Another window will pop up showing a list of paths. Click the New button and paste the path to your Python executable there.  
We can also install visual code studio and then download the python modules on it.
16. Yes it is extremely important. Indentation makes it easier to understand and interpret the code.