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**Python Programming:**

* Python is a high-level programming language which is: Interpreted, Interactive, Object Oriented, Beginner’s language.
* Python was conceptualized by **Guido Van Rossum** in the late **1980s.**
* Python is a Scripting language because of its scalable interpreter.
* It is fast and dynamic.
* **Features:** Easy to Learn, Portable, Interactive, Extendable, Scalable, Standard libraries.
* Python also supports GUI , Data Science, E-mail, Game Development, Scientific & Numeric , Networking, Image Processing applications.
* Latest Version : 3.12
* There will be no main() function, no semi columns in python. The string that is written in between single quotations or double quotations is printed.

**Python Data Types:**

* Numbers(Integer and Float)
* String
* List (Array)
* Tuple (Constant Array)
* Dictionary

**Escape Sequence in Python:**

* \\ -- Prints Backslash(\)
* \’ -- Prints single quote(‘)
* \” -- Prints double quote(“)
* \n – Goes to next line
* \t – Gives a tab space

Ex: print('\\Backslash\tTab\nNewline')

O/P: **\Backslash Tab**

**Newline**

* Basic Python Print statement:
  + - Print(‘Hello World!’) (or) Print(“Hello World!”)
* Assigning values to variables:
  + A=5
  + A=B=C=5
  + X= ‘Python’
  + A=B=C=5, ‘Hello’, 87.9
* To know the data type of a variable, type(variable\_name)
* To take input from user,
  + A=input()
* To delete any variable, we have a function called as del().
* Python uses interpreter to run the code. Interpreter reads code line by line. It is a slow process.
* In Interpreter, if code contains any error, then the code will be run partially up to that error line of code. The statements before the error line of code will be executed successfully.