**Review Of Python Basics**

* **Tokens:-**

Tokens are the smallest unit of any programming language. It is also known as lexial unit. Types of tokens are:-

1. **Keywords**
2. **Identifiers**
3. **Literals**
4. **Operators**
5. **Punctuators**
6. **Keywords**:- They are those words which provides a special meaning to interpreter. There are reserved for specific functioning. These can not be used as an identifiers, variable name or any other purpose.

Available Keywords in Python are:-

**False class finally is return**

**None continue for lambda try**

**True def from nonlocal while**

**And del global not with**

**as elif if or yield**

**assert else import pass**

1. **Identifiers:-**

* There are building blocks of a program and are used to give name to different parts/blocks of a program like – Variables, objects, classes, functions, etc.
* An Identifiers may be a combinations of latters and numbers.
* An identifiers must begins with an alphabetes or an underscore “ \_ ”. Subsequences letters may be numbers.
* Python is case sensitive. Uppercase characters are distinct from lowercase chatacters.
* Length of an identifiers is unlimited.
* Keywords cannot be used as identifiers.
* Spaces and special symbols are not permitted in an identifers.

1. **Literals:-**

* They are often called constant vales.
* Python permits followings types of literals:-
  + - * String literals
      * Numeric literals
      * Boolean literals
      * Special literals
      * Literals collections

1. **Operators:-**
   * + An operator is a symbol that trigger some actions when applied to identifiers/operands.
     + Therefore, an operator required operand to compute upon.

* **Data Types:-**
* Data types be of any type like characters, integers, real, strings.
* Anything enclosed in “ ” is considered as strings in python.
* Any whole values is an integer.
* Any values with fraction part is a real values.
* Python support following core data types:-

1. Numbers
2. Strings
3. List
4. Tuples
5. Dictionary

* **Mutable and immutable types:-**
* **Mutable:-** Data types in which place changes are allowed, eg:- list, dictionary.
* **Immutable:**- Data types in which place changes are not allowed, eg:- strings, tuples.