

**Class : XI**  
**Computer Science(083)**  
**Python Basics(Module : M05)**  
**Character Set, Tokens-Identifiers, Keywords**

**Python Character Set**

Character set is a set of valid characters that can be used in a language . Python supports Unicode encoding standard.

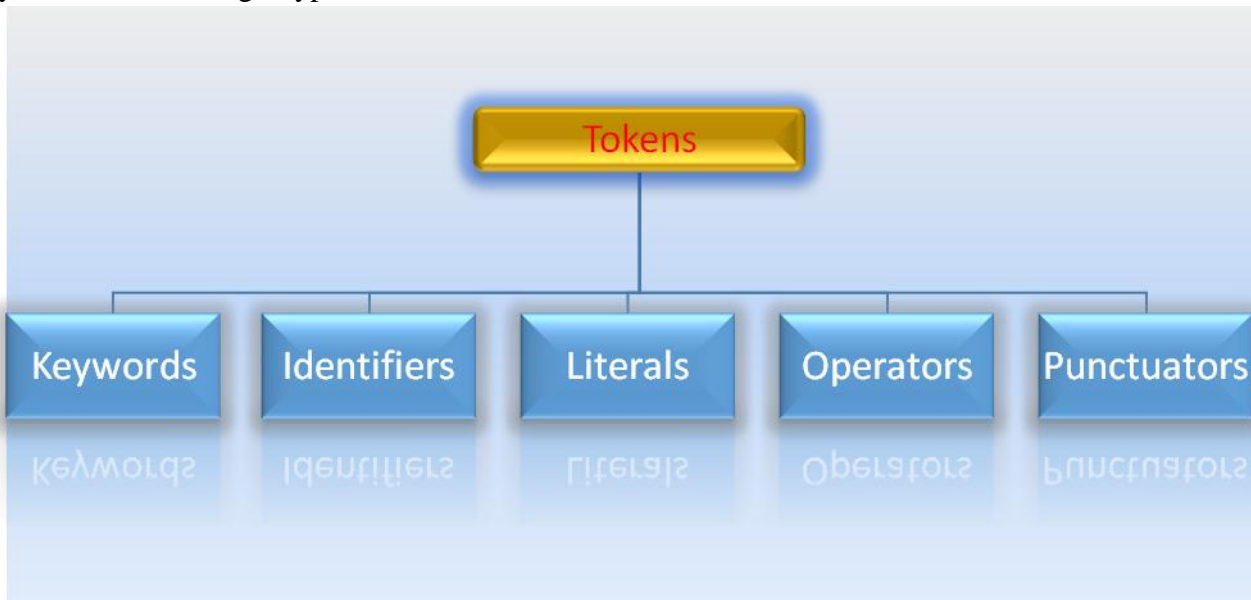
Python has the following character set :

- 📁 Letters : A-Z, a-z
- 📁 Digits : 0-9
- 📁 Special Symbols : space + - \* / \*\* \ () [] {} // = != == < > ‘ “  
“” , ; : % ! & # <= >= @ \_
- 📁 Whitespaces : Blank space, tabs, carriage return,  
newline, formfeed
- 📁 Other characters : ASCII and Unicode characters

**TOKENS**

The smallest individual entity which is used in any language to construct statements or expressions is known as Tokens.

Python has following 5 types of Tokens :



**Keywords**

Keywords are the words that have a special meaning to the language compiler or interpreter. These are reserved for special purpose and should not be used as Identifier names.

Python supports the following keywords :







- |        |          |        |        |          |       |       |
|--------|----------|--------|--------|----------|-------|-------|
| False  | assert   | del    | for    | in       | or    | while |
| None   | break    | if     | from   | is       | pass  | with  |
| class  | True     | global | lambda | raise    | yield | else  |
| Return | nonlocal | elif   | except | continue | and   | input |
| as     | finally  | def    | import | not      | try   | print |

e.g. `print("Welcome")`  
`input("Enter the Fees amount:")`

## Identifiers (Names)

Identifiers are the building blocks of a program. These are the names given to different components of the program like variables, objects, classes, functions, lists, tuple, dictionaries, strings etc.

Identifier naming rules :

-  The first character must be a letter or an underscore(\_).
-  Identifier names are case sensitive.
-  Digits can be the part of identifier name except the first character.
-  Keywords can not be used as the identifier name.
-  An identifier cannot contain any special character except the underscore(\_).
-  Space is not allowed in between the identifier name.

### Valid Identifiers

Myname	DOB	fees10	MYNAME	_amount
_Check	age_12	data	filew	newfile

### Invalid Identifiers

My-name	Data-rec	10fees	continue	fees amt
9Check	12_age	my\$data	#filew	new%file

e.g. **mrp=5000**  
**discount=mrp\*0.10**  
**print("Amount=",(mrp-discount))**

References: 1)Computer Science with Python By Sumita Arora  
2)<https://www.tutorialsteacher.com/python/statistics-module>  
3)CBSE Revised Syllabus