

In [2]: *#Alising*

#id() :- this funcyion will return you Location or address of variable

```
a = 125
```

```
print("Value of a : ", a)
print("Address of a : ", id(a))
```

```
b = a
```

```
print("Value of b : ", b)
print("Address of b : ", id(b))
```

```
b = 100
print("Value of b : ", b)
print("Address of b : ", id(b))
```

```
print()
```

```
import numpy as np
a = [10,12,15,16]
```

```
print("Mean of Dataset a is: ", np.mean(a))
```

```
Value of a : 125
Address of a : 140736097395368
Value of b : 125
Address of b : 140736097395368
Value of b : 100
Address of b : 140736097394568
```

```
Mean of Dataset a is: 13.25
```

In [4]: **import** keyword

```
print(keyword.kwlist)
```

```
['False', 'None', 'True', 'and', 'as', 'assert', 'async', 'await', 'break',
'class', 'continue', 'def', 'del', 'elif', 'else', 'except', 'finally', 'fo
r', 'from', 'global', 'if', 'import', 'in', 'is', 'lambda', 'nonlocal', 'no
t', 'or', 'pass', 'raise', 'return', 'try', 'while', 'with', 'yield']
```

```
In [5]: age = 25 #int
name = "Vishal" #string
marks = 56.90 #float

#int / float / string / boolean / complex / list / set / tuple / dict

#type() :---> data type of variable

print("data type of age : ", type(age))

print("Datatype of name : ", type(name))

print("Datatype of marks : ", type(marks))
```

```
data type of age : <class 'int'>
Datatype of name : <class 'str'>
Datatype of marks : <class 'float'>
```

```
In [7]: #Operator

#Arithmetic : (+, - , * , /, %),(// , **)

a = 10
b = 5
print("Add of a and b is :", a+b)
print("Sub of a and b is :", a-b)
print("Multi of a and b is :", a*b)
print("Div of a and b is :", a/b)

x = 11
y = 2
print("Mod of x/y : ", x%y)
```

```
Add of a and b is : 15
Sub of a and b is : 5
Multi of a and b is : 50
Div of a and b is : 2.0
Mod of x/y : 1
```

```
In [9]: #String : ---> + , *

name ="Trupti"
sname = " Mane"

print(name + sname)

ins = 'Edutech'
print(ins * 5)

print("*****")
```

```
Trupti Mane
EdutechEdutechEdutechEdutechEdutech
*****
```

```
In [10]: num1 = 11
          num2 = 2

          print("Normal division : ", num1/num2)
          print("Floor Division : ", num1//num2)

          print("2 pow 3 : 2x2x2 = 8 : ", 2**3)
          print("4 pow 10 : ", 4**10)
```

```
Normal division :  5.5
Floor Division :  5
2 pow 3 : 2x2x2 = 8 :  8
4 pow 10 :  1048576
```

```
In [ ]:
```