**Import numpy as np**

LIST in PYTHON

Mylist = [1,2,3,4,5]

Mylist2 = [“apple”,”banana”,”orange”]

Print(Mylist)

[1,2,3,4,5]

ARRAY

Array1=np.array(Mylist)

Print(Array1)

[1 2 3 4 5]

Array1[2] /\* position 2. Starts from 0 \*/

3

arr = np.arange(0,11)

arr

array([0,1,2,3,4,5,6,7,8,9,10])

arr[8]

8

arr[1:5] /\* position 1 to 5\*/

array([1,2,3,4,])

arr[0:5] /\* position to 5 \*/

array([0,1,2,3,4,])

arr[0:5] = 100 /\* position 0 to 5 to have values 100\*/

array([100,100,100,100,100,100,5,6,7,8,9,10])

arr = np.arange(0,11)

arr

array([0,1,2,3,4,5,6,7,8,9,10])

arr1 = arr[0:6]

arr1

array([0,1,2,3,4,5])

arr1[:] = 99

array(99,99,99,99,99,99)

arr

arry([99,99,99,99,99,6,7,8,9,10])

**2D ARRAY**

arr2d = np.array(([5,10,15],[20,25,30],[35,40,45]))

arr2d

array([[5,20,25],

[20,25,30],

[35,40,45]])