

In [21]: `#EXPERIMENT NO 5`

In [22]: `#AIM : Creating dimensional array`

In [23]: `#name :Gauri Ingale  
#Roll no. : 20  
#Sec : CSE-DS  
#Subject : ET-I`

In [24]: `import numpy as np`

In [25]: `#creating 1D array. (square bracket in round = array)(square bracket=tuple)  
a1=np.array([10,20,30,40])`

In [26]: `a1`

Out[26]: `array([10, 20, 30, 40])`

In [27]: `#creating 2D array  
a2 = np.array([[11,30,20,40],[34,89,47,34]])`

In [28]: `a2`

Out[28]: `array([[11, 30, 20, 40],  
 [34, 89, 47, 34]])`

In [29]: `#creating 2D array using matrix  
a3=np.matrix('11,23;33,45;67,78')  
print(a3)`

```
[[11 23]
 [33 45]
 [67 78]]
```

In [30]: `# Create array of 25 random integers between 20 and 23 (inclusive)  
arr = np.random.randint(20, 24, size=25)  
print(arr)`

```
[22 22 22 20 21 23 23 23 21 21 20 20 22 22 21 22 22 21 21 23 22 20 23 21
 20]
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