In [1]:
```
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#Roll no : 44
#Section : 3A
```

```
#Aim : Creation of 1D, 2D and multidimensional array (Data cube/OLAP) using numpy.
```

In [2]:
```
import numpy as np
```

In [3]:
```
a1=np.array([10,20,30,40,50])
```

In [4]:
```
a1
```

In [5]:
```
array([10, 20, 30, 40, 50])
```

Out[5]:

In [7]:
```
a2=np.array([[10,20,30,40],[60,70,80,90]])
```

In [8]:
```
a2
```

```
array([[10, 20, 30, 40], [60, 70, 80, 90]])
```

Out[8]:

```
a3=np.array([['R1','R2','R3','R4'],['ABC','XYZ','PQR','EFG'],[40,55,64,22]])
```

In [9]:
```
a3
```

In [10]:
```
array([['R1', 'R2', 'R3', 'R4'], ['ABC', 'XYZ', 'PQR', 'EFG'],
['40', '55', '64', '22']], dtype='<U11')
```

Out[10]:

In [ ]: