```
In [1]:  #Name : Akanksha chandramohan Giri
         #Roll no : 41
         #Section : 3A
         #Date: 24/08/2024
```

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

```
In [3]:  import numpy as np
```

```
In [4]:  a1=np.array([10,20,30,40,50])
```

```
In [5]:  a1
```

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

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

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

```
Out[8]:  array([[10, 20, 30, 40],
                [60, 70, 80, 90]])
```

```
In [9]:  a3=np.array([['R1','R2','R3','R4'],['ABC','XYZ','PQR','EFG'],[40,55,64,22]])
```

```
In [10]:  a3
```

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

```
In [ ]:
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