```python
In [1]:  #Name : Ashwini V Kayande
         #Roll No : 60
         #Section : 3A
         #Date :24/08/2024
```

```python
In [3]:  #Aim : Creation of 1D, 2D and multidimensional array (Data cube/OLAP) using
```

```python
In [5]:  import numpy as np
```

```python
In [7]:  a1=np.array([10,20,30,40,50])
```

```python
In [9]:  a1
```

```python
Out[9]:  array([10, 20, 30, 40, 50])
```

```python
In [11]:  a2=np.array([[10,20,30,40],[60,70,80,90]])
```

```python
In [13]:  a2
```

```python
Out[13]:  array([[10, 20, 30, 40],
                 [60, 70, 80, 90]])
```

```python
In [15]:  a3=np.array([['R1','R2','R3','R4'],['ABC','XYZ','PQR','EFG'],[40,55,64,22]])
```

```python
In [17]:  a3
```

```python
Out[17]:  array([['R1', 'R2', 'R3', 'R4'],
                 ['ABC', 'XYZ', 'PQR', 'EFG'],
                 ['40', '55', '64', '22']], dtype='<U11')
```

```python
In [ ]:
```