Creation of Array

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

In [23]:
```
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# Date:09/08/2024
```

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

In [9]:
```
a1=np.array([1000,2000,3000,4000,5000,6000])
```

In [10]:
```
a1
```

Out[10]:
```
array([1000, 2000, 3000, 4000, 5000, 6000])
```

In [17]:
```
a2 = np.array([[1000, 2000, 3000, 4000, 5000, 6000],
               [7000, 8000, 9000, 10000, 11000, 12000]])
```

In [18]:
```
a2
```

Out[18]:
```
array([[ 1000,  2000,  3000,  4000,  5000,  6000],
       [ 7000,  8000,  9000, 10000, 11000, 12000]])
```

In [21]:
```
a3=np.array([['C1','C2','C3','C4'],
             ['AA','BB','CC','DD'],
             [1000,2000,3000,4000]])
```

In [22]:
```
a3
```

Out[22]:
```
array([['C1', 'C2', 'C3', 'C4'],
       ['AA', 'BB', 'CC', 'DD'],
       ['1000', '2000', '3000', '4000']], dtype='<U11')
```

In [ ]:
```

```