In [1]:
```python
#Creating 1D array
import numpy as np
numbers=np.array([10,20,30,40])
print(numbers)
```

```
[10 20 30 40]
```

In [4]:
```python
#Creating 2D array
import numpy as np
numbers1=np.array([[10,20,30,40],[30,40,50,60],[70,80,90,34]])
print(numbers1)
```

```
[[10 20 30 40]
 [30 40 50 60]
 [70 80 90 34]]
```

In [5]:
```python
# Creating 3D array
import numpy as np
numbers3d = np.array([[[10, 20, 30], [40, 50, 60]],
                      [[70, 80, 90], [100, 110, 120]]])

print("3D Array:")
print(numbers3d)
```

```
3D Array:
[[[ 10  20  30]
  [ 40  50  60]]

 [[ 70  80  90]
  [100 110 120]]]
```

In [6]:
```python
# Creating 4D array
arr_4d = np.array([[[[10, 20], [30, 40]], [[50, 60], [70, 80]]],
                   [[[90, 100], [110, 120]], [[130, 140], [150, 160]]]])
print(arr_4d)
```

```
[[[[ 10  20]
   [ 30  40]]

  [[ 50  60]
   [ 70  80]]]


 [[[ 90 100]
   [110 120]]

  [[130 140]
   [150 160]]]]
```

In [ ]: