

In [1]:

```
import numpy as np
np.array([1,2,3])
```

Out[1]:

```
array([1, 2, 3])
```

In [3]:

```
np.array([1,2,3.0]) # in this case all elements of the array are converted to float
```

Out[3]:

```
array([1., 2., 3.])
```

In [5]:

```
np.array([[1,3],[4,6]]) # two dimensional array
```

Out[5]:

```
array([[1, 3],
       [4, 6]])
```

In [6]:

```
np.array([3,4,5],ndmin= 7) #array with minimum dimension 7
```

Out[6]:

```
array([[[[[[[[3, 4, 5]]]]]]]])
```

In [7]:

```
np.array([7,8,9],dtype=str) # array with datatype as string
```

Out[7]:

```
array(['7', '8', '9'], dtype='<U1')
```

In [8]:

```
np.array([4,5,6],dtype=complex) # array with datatype as complex
```

Out[8]:

```
array([4.+0.j, 5.+0.j, 6.+0.j])
```

In []: