

```
In [1]: import numpy as np
```

```
In [2]: n1 = np.array ([1,2,3,4])  
n1 = n1 + 5
```

```
In [4]: n1
```

```
Out[4]: array([6, 7, 8, 9])
```

```
In [6]: n2 = np.array ([10,20,30,40])  
n2 = n2 - 5  
n2
```

```
Out[6]: array([ 5, 15, 25, 35])
```

```
In [8]: n3 = np.array([2,3,4,5])  
n3 = n3*2  
n3
```

```
Out[8]: array([ 4,  6,  8, 10])
```

```
In [12]: n4 = np.array([2,4,6])  
n4/2
```

```
Out[12]: array([1., 2., 3.])
```

```
In [13]: import numpy as np
```

```
In [18]: l1 = np.array([1,2,3,4])  
type(l1)  
np.mean(l1)
```

```
Out[18]: 2.5
```

```
In [20]: l2 = np.random.randint(10,20,2)
l2
```

```
Out[20]: array([18, 12])
```

```
In [22]: np.mean(l2)
```

```
Out[22]: 15.0
```

```
In [30]: l3 = np.array([10,15,30])
l3
```

```
Out[30]: array([10, 15, 30])
```

```
In [31]: np.median(l3)
```

```
Out[31]: 15.0
```

```
In [35]: n4 = np.array([1,5,3,100,4,48])
np.std(n4)
n4
```

```
Out[35]: array([ 1,  5,  3, 100,  4, 48])
```

```
In [37]: n1
```

```
Out[37]: array([6, 7, 8, 9])
```

```
In [38]: np.save('myarray',n1)
```

```
In [40]: new_n1=np.load('myarray.npy')
```

```
In [42]: new_n1
```

```
Out[42]: array([6, 7, 8, 9])
```

```
In [43]: import numpy as np
```

```
In [45]: n = np.array([2,4,6,7,8,9,0])  
n
```

```
Out[45]: array([2, 4, 6, 7, 8, 9, 0])
```

```
In [46]: np.save('myarray',n)
```

```
In [47]: newn1 = np.load ('myarray.npy')
```

```
In [49]: newn1
```

```
Out[49]: array([2, 4, 6, 7, 8, 9, 0])
```

```
In [ ]:
```