

Numpy Basic Functions Part - 3

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

Reshaping an Array

```
In [2]: array = np.array([1,2,3,4,5,6,7,8,9,10])
```

```
In [3]: print(array)
```

```
[ 1  2  3  4  5  6  7  8  9 10]
```

```
In [4]: array.reshape(2,5)
```

```
Out[4]: array([[ 1,  2,  3,  4,  5],
               [ 6,  7,  8,  9, 10]])
```

Argsorting an Array

```
In [7]: array = np.array([2,522,155,251,2562,52,63,0,124,694])
```

```
In [10]: print(np.argsort(array))
```

```
[7 0 5 6 8 2 3 1 9 4]
```

```
In [15]: # Argsorting in Multidimensional Arrays
```

```
In [16]: array_multi = np.array([2,522,155,251,2562,52,63,0,124,694])
```

```
In [19]: array_multidimensional = array_multi.reshape(5,2)
```

```
In [20]: print(np.argsort(array_multidimensional))
```

```
[[0 1]
 [0 1]
 [1 0]
 [1 0]
 [0 1]]
```

```
In [ ]:
```

Argmin in Array

```
In [11]: array = np.array([2,522,155,251,2562,52,63,0,124,694])
```

```
In [12]: print(np.argmin(array))
```

```
7
```

Argmax in Array

```
In [13]: array = np.array([2,522,155,251,2562,52,63,0,124,694])
```

```
In [14]: print(np.argmax(array))
```

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4
```

End