

what is Jupyter Notebook?

same as

tag

Text *Text TEXT*

```
In [1]: arr=[1.2.3]
```

```
In [2]: arr
```

```
Out[2]: [1, 2, 3]
```

```
In [3]: type(arr)
```

```
Out[3]: list
```

```
In [4]: arr1=[4.5.6]
```

```
In [5]: print(arr1)
```

```
[4, 5, 6]
```

```
In [6]: type(arr1)
```

```
Out[6]: list
```

```
In [7]: arr+arr1
```

```
Out[7]: [1, 2, 3, 4, 5, 6]
```

to perform mathematical operations on array elements we need numerical Array Numerical type
Array can be created with help of numpy library

```
In [8]: #create numpy array  
import numpy as np  
arr=np.array([1.2.3])
```

```
In [9]: arr
```

```
Out[9]: array([1, 2, 3])
```

```
In [10]: type(arr)
```

```
Out[10]: numpy.ndarray
```

```
In [11]: arr1=np.arrav([4.5.6])
```

```
In [12]: arr+arr1
```

```
Out[12]: array([5, 7, 9])
```

```
In [13]: a1=np.arrav([[1.2.3],[4.5.6],[7.8.9]])
```

```
In [14]: a1
```

```
Out[14]: array([[1, 2, 3],
                [4, 5, 6],
                [7, 8, 9]])
```

```
In [15]: #print Shape of Array
print(a1.shape)
(3, 3)
```

```
In [ ]:
```