

Get to Know a numpy Array

You will use the numpy array `A` for the following

In [6]:

```
import numpy as np
A=np.array([[11,12],[21,22],[31,32]])
```

1) type using the function type

In []:

2) the shape of the array

In []:

3) the type of data in the array

In []:

4) Find the second row of the numpy array `A` :

In []:

Two kinds of Multiplying

you will use the following numpy arrays for the next questions

In [8]:

```
A=np.array([[11,12],[21,22]])
B=np.array([[1, 0],[0,1]])
```

1) multiply array `A` and `B`

In [10]:

```
A*B
```

Out[10]:

```
array([[11,  0],  
       [ 0, 22]])
```

2) plot the function

In [12]:

```
np.dot(A,B)  
np.dot(B,A)
```

Out[12]:

```
array([[11, 12],  
       [21, 22]])
```

Copyright © 2018 IBM Cognitive Class. This notebook and its source code are released under the terms of the [MIT License](<https://cognitiveclass.ai/mit-license/>).