In [3]:

```
import numpy as  np
arr=np.array([1,2,3,4,5])
print(arr)
print(type(arr))
```

```
[1 2 3 4 5]
<class 'numpy.ndarray'>
```

In [4]:

```
import numpy
arr=numpy.array([1,2,3,4,5])
print(arr)
```

```
[1 2 3 4 5]
```

In [6]:

```
import numpy as np
arr=np.array([[1,2,3],[4,5,6]])
print(arr)
```

```
[[1 2 3]
 [4 5 6]]
```

In [7]:

```
arr=np.array([[1,2,3],[4,5,6],[7,8,9]])
print(arr)
```

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

In [9]:

```
arr=np.array([[[1,2,3],[4,5,6]],[[7,8,9],[10,11,12]]])
print(arr)
```

```
[[[ 1  2  3]
  [ 4  5  6]]

 [[ 7  8  9]
  [10 11 12]]]
```

In [8]:

```
import pandas as pd
mydataset={
    'cars':["bmw","ford","volvo"],
    'passings':[3,7,2]
}
myvar=pd.DataFrame(mydataset)
print(myvar)
```

```
    cars  passings
0    bmw         3
1   ford         7
2  volvo         2
```

In [9]:

```
a=[1,7,2]
myvar=pd.Series(a,index=["x","y","z"])
print(myvar)
```

```
x    1
y    7
z    2
dtype: int64
```

In [10]:

```
print(myvar["y"])
```

```
7
```

In [14]:

```
a=[1,7,2]
myvar=pd.Series(a,index=["x","y","z"])
print(myvar)
```

```
x    1
y    7
z    2
dtype: int64
```