In [1]:
```
#appending inserting and deleting data from ndarray
```

In [2]:
```
import numpy as np
```

In [3]:
```
a=np.array([10,20,30,40,50,60])
print(a,type(a))
```

```
[10 20 30 40 50 60] <class 'numpy.ndarray'>
```

In [4]:
```
#appending the data at the end of the ndarray--append()
np.append(a,100)
```

Out[4]:
```
array([ 10,  20,  30,  40,  50,  60, 100])
```

In [5]:
```
a
```

Out[5]:
```
array([10, 20, 30, 40, 50, 60])
```

In [6]:
```
#appending the data at the end of the ndarray--append()
a=np.append(a,100)
```

In [7]:
```
print(a)
```

```
[ 10  20  30  40  50  60 100]
```

In [8]:
```
#adding multiple values to ndarray object
a=np.append(a,[55,66,77,88])
```

In [9]:
```
print(a,type(a))
```

```
[ 10  20  30  40  50  60 100  55  66  77  88] <class 'numpy.ndarray'>
```

In [10]:
```
#inserting the values in ndarray object at specific index---insert()
```

In [16]:
```
a=np.array([10,20,30,40,50,60])
print(a,type(a))
```

```
[10 20 30 40 50 60] <class 'numpy.ndarray'>
```

In [17]:
```
np.insert(a,2,300)
```

Out[17]:
```
array([ 10,  20, 300,  30,  40,  50,  60])
```

In [18]:
```
print(a,type(a))
```

```
[10 20 30 40 50 60] <class 'numpy.ndarray'>
```

In [19]:
```
a=np.insert(a,2,300)
print(a,type(a))
```

```
[ 10  20 300  30  40  50  60] <class 'numpy.ndarray'>
```

In [21]:
```
#Replace the value 300 with 299
a[2]=299
```

In [22]:
```
print(a)
```

```
[ 10  20 299  30  40  50  60]
```

In [23]:
```
a=np.insert(a,3,[15,25,35])
```

In [24]:
```
print(a,type(a))
```

```
[ 10  20 299  15  25  35  30  40  50  60] <class 'numpy.ndarray'>
```

In [36]:
```
#Deleting the data from ndarray object---delete()
a=np.array([10,20,30,40,50,60])
print(a,type(a))
```

```
[10 20 30 40 50 60] <class 'numpy.ndarray'>
```

In [37]:
```
np.delete(a,2)
```

Out[37]:
```
array([10, 20, 40, 50, 60])
```

In [38]:
```
print(a,type(a))
```

```
[10 20 30 40 50 60] <class 'numpy.ndarray'>
```

In [39]:
```
a=np.delete(a,2)
print(a)
```

```
[10 20 40 50 60]
```

In [40]:
```
a=np.delete(a,-2)
print(a)
```

```
[10 20 40 60]
```

In [41]:
```
a=np.delete(a,[1,2])
print(a)
```

```
[10 60]
```

In [42]:
```
a=np.array([10,20,30,40,50,60])
print(a,type(a))
```

```
[10 20 30 40 50 60] <class 'numpy.ndarray'>
```

In [43]:
```
a=np.delete(a,[0,2,4])
```

In [44]:
```
print(a)
```

```
[20 40 60]
```

In [ ]:
```

```