In [8]:
```
#1.Create 3 diamentional array and do the slicing
import numpy as np
array=np.array([[10,20,30,65],[34,35,36,76],[24,25,26,28]])
print("our 3D array is : ",array)
after_slicing=array[0:2,1:4]
print("our matrix after slicing is :",after_slicing)
```

```
our 3D array is :  [[10 20 30 65]
 [34 35 36 76]
 [24 25 26 28]]
our matrix after slicing is : [[20 30 65]
 [35 36 76]]
```

In [14]:
```
# 2.create 2 D array and do the slicing from end (use negative index)
import numpy as np
array=np.array([[40,23,45,67,12],[31,54,65,70,91],[57,61,89,65,92],[45,98,76,56,45]])
print("our 2D array is :",array)
after_slicing=array[-3:-1,-4:-1]
print("afte negative slicing :" ,after_slicing)
```

```
our 2D array is : [[40 23 45 67 12]
 [31 54 65 70 91]
 [57 61 89 65 92]
 [45 98 76 56 45]]
afte negative slicing : [[54 65 70]
 [61 89 65]]
```

In [19]:
```
# 3.Create 2D array and make a copy
import numpy as np
array=np.array([[12,13,14,15],[1,2,3,4],[5,6,7,8]])
print("our original array is :",array)
array_copy=array.copy()
print("our copied array is :",array_copy)
```

```
our original array is : [[12 13 14 15]
 [ 1  2  3  4]
 [ 5  6  7  8]]
our copied array is : [[12 13 14 15]
 [ 1  2  3  4]
 [ 5  6  7  8]]
```

In [ ]: