```
[22] #numpy.append() : appends values along the mentioned axis at the end of the array
     #Syntax :numpy.append(array, values, axis = None)
     import numpy as np
     arr = np.array([1,2,3,4]) #1D array
     arr
```

```
array([1, 2, 3, 4])
```

```
[23] np.append(arr, 5)  # 5 appened at end in the array
```

```
array([1, 2, 3, 4, 5])
```

```
[40] #append list
     arr = np.array([1,2,3,4]) #1D array
     np.append(arr, [11,12])
```

```
array([ 1,  2,  3,  4, 11, 12])
```

```
[41] #append range
     arr = np.array([1,2,3,4]) #1D array
     np.append(arr, range(20,25))
```

```
array([ 1,  2,  3,  4, 20, 21, 22, 23, 24])
```

```
[25] #append elements in 2D array
     arr = np.array([[1,2,3,4],[5,6,7,8]]) #2D array
     arr
```

```
array([[1, 2, 3, 4],
       [5, 6, 7, 8]])
```

```
[26] np.append(arr, 15)
```

```
array([ 1,  2,  3,  4,  5,  6,  7,  8, 15])
```

```
[27] #append 2D array in 1D array
     arr = np.array([1,2,3,4])   #1D array
     arr1 = np.array([[10,20,30,40],[50,60,70,80]]) #2D array
     np.append(arr, arr1)
```

```
array([ 1,  2,  3,  4, 10, 20, 30, 40, 50, 60, 70, 80])
```

```
[38] #append in 2D array along axis
     arr = np.array([[1,2,3,4], [11,12,13,14]])   #2D array
     arr1 = np.array([[10,20,30,40],[50,60,70,80]]) #2D array
     np.append(arr, arr1, axis=0)
```

```
array([[ 1,  2,  3,  4],
       [11, 12, 13, 14],
       [10, 20, 30, 40],
       [50, 60, 70, 80]])
```

```
#append in 2D array along axis
arr = np.array([[1,2,3,4], [11,12,13,14]])   #2D array
arr1 = np.array([[10,20,30,40],[50,60,70,80]]) #2D array
np.append(arr, arr1, axis=1)
```

```
array([[ 1,  2,  3,  4, 10, 20, 30, 40],
       [11, 12, 13, 14, 50, 60, 70, 80]])
```