**List Methods**

Program: Write a program to use all the methods of List.

**Program**

list1 = [1, 2, 3, 4, 5, 6, 7]  
print(list1)  
# append is used to add 1 item in the list.......  
list1.append(8)  
print(list1)  
# clear method removes all the items from the list........  
list1.clear()  
print(list1)  
# copy list1..........  
list1.copy()  
print(list1)  
list2 = [8, 9, 10, 10, 11, 12, 12, 12]  
print(list2)  
# count how much time 12 is present in the list.....  
count = list2.count(12)  
print('count is: ', count)  
# extend(add multiple items in the list).........  
list2.extend([12, 13, 14, 15, 15])  
print(list2)  
# index(In which index 11 is present in the list)......  
print("index is: ", list2.index(11))  
# insert 16 item at 14th index in the list..........  
list2.insert(14, 16)  
print(list2)  
# pop(remove 5th index value)...........  
list2.pop(5)  
# remove 12(first item)  
list2.remove(12)  
list2.reverse()  
print(list2)  
# sort all the elements present in the list...........  
list2.sort()  
print(list2)

**Output**

