## **Activity 3:**

```
3 reverse_list = []
for iii in sort list:
     reverse list.append(iii)
 lastIndex = len(reverse list)
 while lastIndex \neq 0:
     for index in range(1, lastIndex): # start at the first index up to the last
         if reverse_list[index-1] < reverse_list[index]:</pre>
             reverse_list[index] += reverse_list[index-1]
             reverse_list[index-1] = reverse_list[index] - reverse_list[index-1]
             reverse_list[index] -= reverse_list[index-1]
     lastIndex -= 1
 print("reverse:\t", reverse_list)
starting_index = 1
last_index
slice list = []
 for iii in range(starting_index, last_index):
     slice_list.append(sort_list[iii])
 print("sliced list:\t", slice_list)
```

## **OUTPUT:**

```
sort asc: [4, 8, 12, 17, 23, 56, 99]
reverse: [99, 56, 23, 17, 12, 8, 4]
sliced list: [8, 12, 17]
```

## **Activity 4**

```
letters = ['a', 'b', 'c', 'd', 'e', 'f']
    leftHalf = listlist[0:index]
    leftHalf.append(letter)
    leftHalf.extend(rightHalf)
    return leftHalf
print(testinsert)
    tempCache = []
   for iii in listlist:
        if iii == letter:
       tempCache.append(iii)
    return tempCache
testremove = remove letter(letters, 'd')
print(testremove)
   for iii in range(len(listlist)):
   print("not found")
testsearch = search letter(letters, 'a')
print(testsearch)
```

## **OUTPUT:**

```
['a', 'b', 'c', 'd', 'zz', 'e', 'f']
['a', 'b', 'c', 'e', 'f']
['a', 'b', 'c', 'e', 'f']
['a', 'b', 'c', 'e', 'f']
```