Section - 6

1.)
```
list = [4,6,7,8]
list1 = list[:]
list1.sort()

if (list1 == list):
    print ("items in the list are sorted in
            ascending order")

elif (list1[::-1] == list):
    print ("items in the list are sorted in
            descending order")
else:
    print ("items in the list are not sorted")
```

Program to find product of matrices.

```
A = [[12,7]
     [8, 6]]
B = [[5, 4]
     [2,3]]

R1 = len(A)
C1 = len(A[0])
R2 = len(B)
C2 = len(B[0])

if (C1 != R2):
    Print ("Matrices can't be multiplied")
```

```
else:
    result = [[0 for i in Range(R1)] for j in Range(C2)]

    for i in range(len(A)):
        for j in range(len(B[0])):
            for k in range(len(B)):
                result[i][j] += A[i][k] * B[k][j]

    for r in result:
        print(r)
```