def Selection\_Sort(Score\_list):

    n=len(Score\_list)

    for i in range(n-1):

        min=i

        for j in range(i+1,n):

            if Score\_list[min]>Score\_list[j]:

                min=j

        Score\_list[i],Score\_list[min]=Score\_list[min],Score\_list[i]

def Bubble\_sort(Score\_list):

    for i in range(n):

        for j in range(n-1):

            if Score\_list[j]>Score\_list[j+1]:

                Score\_list[j],Score\_list[j+1]=Score\_list[j+1],Score\_list[j]

def reverse\_sort(Score\_list):

    for i in range(n):

        min=i

        for j in range(i+1,n):

            Score\_list[j]>min

            min=j

            Score\_list[i],Score\_list[min]=Score\_list[min],Score\_list[i]

def top\_five(Score\_list):

    Selection\_Sort(Score\_list)

    reverse\_sort(Score\_list)

    temp=[]

    for i in range(5):

        temp=Score\_list[i]

        print(temp)

n=int(input("Enter the no. of students present in the class:"))

print("Enter the scores:(in float point)")

Score\_list=[]

for i in range(n):

    data=float(input())

    Score\_list.append(data)

print("Unsorted Score:",Score\_list)

while(1):

    print("\nEnter \n 1.Selection Sort \n 2.Bubble Sort \n 3.Display Top Five Scores")

    option=input("Enter option:")

    if option=="1":

        Selection\_Sort(Score\_list)

        print("Sorted Scores:",Score\_list)

    elif option=="2":

            Bubble\_sort(Score\_list)

            print("Sorted Scores:",Score\_list)

    elif option=="3":

        Selection\_Sort(Score\_list)

        print("Sorted Scores:",Score\_list)

        print("Top Five Scores are:")

        top\_five(Score\_list)

OUTPUT:-

Enter the no. of students present in the class:10

Enter the scores:(in float point)

99.1

91.6

95.4

99.4

92.5

91.2

90.5

94.6

99.9

96.2

Unsorted Score: [99.1, 91.6, 95.4, 99.4, 92.5, 91.2, 90.5, 94.6, 99.9, 96.2]

Enter

1.Selection Sort

2.Bubble Sort

3.Display Top Five Scores

Enter option:1

Sorted Scores: [90.5, 91.2, 91.6, 92.5, 94.6, 95.4, 96.2, 99.1, 99.4, 99.9]

Enter

1.Selection Sort

2.Bubble Sort

3.Display Top Five Scores

Enter option:2

Sorted Scores: [90.5, 91.2, 91.6, 92.5, 94.6, 95.4, 96.2, 99.1, 99.4, 99.9]

Enter

1.Selection Sort

2.Bubble Sort

3.Display Top Five Scores

Enter option:3

Sorted Scores: [90.5, 91.2, 91.6, 92.5, 94.6, 95.4, 96.2, 99.1, 99.4, 99.9]

Top Five Scores are:

99.9

99.4

99.1

96.2

95.4