Write a Python program to store first year percentage of students in array. Write function for sorting array of floating point numbers in ascending order using a) Selection Sort b) Bubble sort and display top five scores.   
  
# 4.1.0 bubble sort

# 4.1.1

arr = []

def sortStart() :

leng = int(input("enter number of students :" ))

# 4.1.2

for i in range(1,leng+1):

new = float(input(f"enter marks of student of roll number {i} : "))

arr.append(new)

print("Marks of Student's before sorting => ", arr)

def bubbleSort(arr) :

n = len(arr)

print("before sorting marks of students : " , arr)

# 4.1.3

for i in range(n-1):

for j in range(n-i-1):

if arr[j] > arr[j+1]:

temp = arr[j]

arr[j] = arr[j+1]

arr[j+1] = temp

print("after sorting marks of students using bubble sort : " , arr)

# 4.1.4

for i in range(n-3,n) :

print(f"topper {n-i} marks is : {arr[i]} ")

# 4.2.0 selection sort

def selectionSort(arr) :

n = len(arr)

print("before sorting marks of students : " , arr)

# 4.2.1

for i in range(n-1):

minPos = i

for j in range(i+1, n):

if arr[minPos] < arr[j]:

minPos = j

# Swap the found maximum element with the first element of the unsorted portion

temp = arr[i]

arr[i] = arr[minPos]

arr[minPos] = temp

print("after sorting marks of students using selection sort : " , arr)

# 4.2.3

for i in range(1,(len(arr)-1)) :

print(f"topper {i} marks is : {arr[i]} ")

flag = 0;

while flag == 0 :

print("""choose number 1 ,2, 3 or 4 for performing following tasks =>

1) Enter student's Marks

2) bubble sort

3) selection sort

4) exit/quit

""")

# enter choise

ch = int(input("Enter choise : "))

if ch == 1 :

sortStart()

if ch == 2 :

bubbleSort(arr)

arr = []

remind = input("Choose Y/N to continue bubble sorting.")

if remind == 'Y' :

print("enter marks again.")

flag = 2

if remind == 'N' :

print("THANK YOU")

flag = 4

elif remind!='Y' or remind!='N' :

print("Write Y or N")

flag = 0

if ch == 3 :

selectionSort(arr)

arr = []

remind = input("Choose Y/N to continue Selection sorting.")

if remind == 'Y' :

print("enter marks again.")

flag = 3

if remind == 'N' :

print("THANK YOU")

flag = 4

elif remind!='Y' or remind!='N' :

print("Write Y or N")

flag = 0

elif ch == 4 :

print("THANK YOU")

break

# <---------------- NICE ONE :) ----------------->