Group B-14:--- Kaustubh Shrikant Kabra SE COMP-1 20

Program:-

```
def accept():
   a=arr.array('f',[])
def print per(arr):
   flq=0
    for i in range(len(arr)):
                flg=1
                temp=arr[j]
        if (flg==0):
def selection sort(arr):
               temp=arr[i]
```

```
j=j+1
    if(j==5):
        break
print()

A=arr.array('f',[])
sort_A=arr.array('f',[])

while(True):
    print("N**********************************
    print("Enter 1 to accept percentage")
    print("Enter 2 to display percentage")
    print("Enter 3 to sort using bubble sort technique")
    print("Enter 4 to sort using selection sort technique")
    print("Enter 5 to exit")
    c=int(input("Enter your choice: "))
    if(c==1):
        A=accept()
    elif(c==2):
        print_per(A)
    elif(c==3):
        bubble_sort(A)
    elif(c==4):
        selection_sort(A)
    elif(c==5):
        print("Thank you")
        break
else:
        print("Enter correct choice")
```

Output:-

**********MFNU*******

Enter 1 to accept percentage

Enter 2 to display percentage

Enter 3 to sort using bubble sort technique

Enter 4 to sort using selection sort technique

Enter 5 to exit

Enter your choice: 1

Enter number of students: 7

Enter first year percentage of student 1:86

Enter first year percentage of student 2: 76

Enter first year percentage of student 3: 48

Enter first year percentage of student 4: 57

Enter first year percentage of student 5: 96

Enter first year percentage of student 6: 84

Enter first year percentage of student 7: 75

*********MENU******

Enter 1 to accept percentage

Enter 2 to display percentage

Enter 3 to sort using bubble sort technique

Enter 4 to sort using selection sort technique

Enter 5 to exit

Enter your choice: 2

86.00 76.00 48.00 57.00 96.00 84.00

75.00

*********MENU******

Enter 1 to accept percentage

Enter 2 to display percentage

Enter 3 to sort using bubble sort technique

Enter 4 to sort using selection sort technique

Enter 5 to exit

Enter your choice: 3

Elements after sorting are-

48.00	57.00	75.00	76.00	84.00	86.00
96.00					

The top scores are-

96.00 86.00 84.00 76.00 75.00

**********MENU*******

Enter 1 to accept percentage

Enter 2 to display percentage

Enter 3 to sort using bubble sort technique

Enter 4 to sort using selection sort technique

Enter 5 to exit

Enter your choice: 4

Elements after sorting are-

48.00 57.00 75.00 76.00 84.00 86.00

96.00

The top scores are-

96.00 86.00 84.00 76.00 75.00

**********MENU******

Enter 1 to accept percentage

Enter 2 to display percentage

Enter 3 to sort using bubble sort technique

Enter 4 to sort using selection sort technique

Enter 5 to exit

Enter your choice: 5

Thank you