/\*

***Name* :-** Abrar Mahedavi

***Roll No.* :-** 21035

***Title* :-** Wrtite buble sort program using Python programming.

/\*

***Program :***

print" ----------Bubble Sort Using Python----------\n"

arr=[]

num=0

temp=0

tot=0

print"\nEnter the number of elements to be sorted: ",

tot=input()

for i in range(0,tot):

print"\nEnter",i+1,"Element: ",

num=input()

arr.append(num)

for i in range(1,tot):

for j in range(0,(tot-i)):

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

temp=arr[j]

arr[j]=arr[j+1]

arr[j+1]=temp

print"\nSorted Elements are:\n"

for i in range (0,tot):

print"\n",arr[i],

print"\n",

***Output :***

compeng-sl2-08@compeng-sl2-08:~$ cd Abrar

compeng-sl2-08@compeng-sl2-08:~/Abrar$ python BubbleSort.py

----------Bubble Sort Using Python----------

Enter the number of elements to be sorted: **12**

Enter 1 Element: 45

Enter 2 Element: 1

Enter 3 Element: -1

Enter 4 Element: -85

Enter 5 Element: 85

Enter 6 Element: 4

Enter 7 Element: 21

Enter 8 Element: 56

Enter 9 Element: 87

Enter 10 Element: 7854

Enter 11 Element: 45

Enter 12 Element: 30

**Sorted Elements are:**

-85

-1

1

4

21

30

45

45

56

85

87

7854