Q.14>>Write a python programme for implementation of bubble sort (user defined).

```
#bubble sort asending and desending
def bubble sort a(list):
   for i in range(0,len(list)-1):
        for j in range(0,len(list)-1):
            if(list[j]>list[j+1]):
                temp = list[j]
                list[j] = list[j+1]
                list[j+1] = temp
    return list
def bubble sort d(list):
   for i in range(0,len(list)-1):
        for j in range(0,len(list)-1):
            if(list[j]<list[j+1]):</pre>
                temp = list[j]
                list[j] = list[j+1]
                list[i+1] = temp
    return list
#main function
#Array user input
list=[] #array=list[]
n=int(input("Number of elements in array(lrngth of the
array):"))
print("enter your array elements:")
for i in range(0,n):
l=int(input()) #for taking input(working like scanf anf
Scanner)
list.append(1) #inserting the elements
print("The unsorted list is: ",list) #for printing the
array in the same line(horizontally)
                                       #as well can
,print("The unsorted list is: ",str(list))
print("The sorted list is(asending): ", bubble_sort_a(list))
print("The sorted list is(desending): ",
bubble sort d(list))
```

