STUDENT REPORT

DETAILS

Name

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Roll Number

2103A52091

EXPERIMENT

Title

PLAYING WITH ARRAYS

Description

Ravi wants to sort the numbers in the array, but on the condition that all the even numbers get sorted first and placed in the front followed by all the odd numbers sorted and placed following the even numbers

Example

2 7 1 4 9 5 be the array, the even numbers after sorting become 2 4, and the odd numbers after sorting become 1 5 7 9

so the output is 2 4 1 5 7 9

Note:

if the size of the array is 0 or less than 0 then print "Invalid Input"

Sample Input :

6

2 7 1 4 9 5

Sample Output:

2 4 1 5 7 9

Source Code:

```
x=int(input(""))
if x<=0:
    print("Invalid Input")
else:
    o=[]
    e=[]
    input_str=input("")
    input_list=input_str.split()
    li=list(map(int,input_list))
    for j in range(x):
        if li[j]%2!=0:
            o.append(li[j])
        else:
            e.append(li[j])
    o.sort()
    e.sort()
    li=[]
    for i in range(len(e)):
        li.append(e[i])
    for i in range(len(o)):
        li.append(o[i])
    for i in range(x):
        print(li[i],end=" ")
```

RESULT

5 / 5 Test Cases Passed | 100

VIVA RESPONSES

Q)

Q)

Q)

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