InfyTQ SET 002

Solved Challenges **1/5**

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Largest Even Number

ID:10564 **Solved By 252 Users**

InfyTQ

A string **S** which contains digits as well as non-digits is passed as the input. The program has to find the largest even number **E** that can be formed from the available digits after removing the duplicates(removing repeated digits). If it is not possible to form an even number then the program must print **-1**.

Boundary Condition(s):
1 <= Length of S <= 100

Input Format:
The first line contains S.

Output Format:
The first line contains E or -1.

Example Input/Output 1:
Input:
%#36%#%6ab66

Output:
36

Explanation:
After removing duplicates we have **3** and **6**. So **36** is the largest even number that can be formed.

Example Input/Output 2:
Input:
%e#2393#@i

Output:
932

Example Input/Output 3:
Input:
%e#5393#@i

Output:
-1

Example Input/Output 4:
Input:
%e#66#@66666i

Output:
6

Example Input/Output 5:
Input:
%e#66#@6600666i007

Output:
760

Max Execution Time Limit: 500 millisecs

Ambiance

Python3 (3.x)

Reset

```
string = input().strip()

visited = []
new=""

for char in string:
    if((char>="0" and char<="9")):
        if(char not in visited):
            visited.append(char)
            new +=char


new_arr = [n for n in new]
new_arr.sort(reverse=True)
last = ""
count=0
for index in range(len(new_arr)-1,-1,-1):
    if(int(new_arr[index])%2==0):
        last = str(new_arr[index])
        break
    else:
        count+=1
        continue

if(len(new_arr)==count):
    print(-1)
    exit()

new_arr.remove(last)
new_arr+=last

for char in new_arr:
    print(char, end="")
```

Code did not pass the execution

TestCase ID: 57988

Input:

%e#5393#@i

Expected Output:

```
-1
```

Your Program Output:

```
Traceback (most recent call last):
  File "Hello.py", line 25, in
    new_arr.remove(last)
ValueError: list.remove(x): x not in list
```

Save Run

Run with a custom test case (Input/Output)