

## Question 1

Correct

Marked out of 10.00

Take as input a string. This string is a mixture of letters, integers and special char. From this string, find the largest even number that can be possibly formed after removing the duplicates.

If an even is not formed, then return -1.

Example Input

infosys@337

Output

-1

Explanation

No even number can be formed

Example Input

Hello#81@21349

Output

984312

**For example:**

| Input          | Result |
|----------------|--------|
| infosys@337    | -1     |
| Hello#81@21349 | 984312 |

**Answer:** (penalty regime: 0 %)

```

1 a=input()
2 l=[]
3 for i in a:
4     if i.isdigit():
5         if int(i) not in l:
6             l.append(int(i))
7 from itertools import permutations
8 def lar_even_num(digits):
9     digits.sort(reverse=True)
10    even=[d for d in digits if d%2==0]
11    if not even:
12        return -1
13    small_even=min(even)
14    digits.remove(small_even)
15    digits.append(small_even)
16    return int("".join(map(str,digits)))
17 print(lar_even_num(l))

```

|   | Input          | Expected | Got    |   |
|---|----------------|----------|--------|---|
| ✓ | infosys@337    | -1       | -1     | ✓ |
| ✓ | Hello#81@21349 | 984312   | 984312 | ✓ |

Passed all tests! ✓