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BATCH 1

#Assesment2

#Problem1

```
def eveodd(l):
    even=[]
    odd=[]
    for i in l:
        if i%2==0:
            even.append(i)
        else:
            odd.append(i)
    l=even+odd
    return l
n=int(input("Enter the number of elements:"))
l=[]
for i in range(n):
    num=int(input("Enter the number:"))
    l.append(num)
print(eveodd(l))
```

#Problem2

```
def longest(str1):
    str1=str1.strip('0').strip('1')
    if str1=="":
        return 0
    count=1
    maxcount=0
    for i in range(1 ,len(str1)):
        if str1[i]==str1[i-1]:
            count+=1
        else:
            maxcount=max(maxcount,count)
            count=1
    maxcount=max(maxcount,count)
    return maxcount
str1=input("Enter the string:")
print(longest(str1))
```

#Problem3

```
def pair(l):
    l1=sorted(l)
    total_pair=0
```

```
i=0
while i<len(l1)-1:
    if l1[i]==l1[i+1]:
        total_pair+=1
        i+=2
    else:
        i+=1

    return total_pair
l=[]
n=int(input("Enter the number of elements:"))
for i in range(n):
    item=int(input("Enter the element:"))
    l.append(item)
print(pair(l))
```