Ques 1:

Input:-

      Asp5w8w@k7!l23mn69

Output:-

      8527639

      As num of spl charecters in the given string is even so we should print first even digits and next odd digits in the same series present in the string

Input:-

      #bn7856!@kn2n65jbnj482375

Output:-

      7856523674582

      As count of spl charecters in the given string is odd so we should first print odd digits and then even digits in the same series present in the string

Program: -

```
n=input()
a=[]
b=[]
c=[]
e=0
f=0
k=1
l=0
for i in n:
   if(i.isalnum()):
      f=1
   else:
      e=e+1
for i in n:
   if(i.isdigit()):
      if(int(i)%2==0):
         a.append(i)
      else:
         b.append(i)
if(e%2==0):
   if(len(a)>=len(b)):
      for i in b:
         a.insert(k,i)
         k=k+2
   else:
      l=len(a)
      for i in range(l):
```

```
            a.insert(k,b[i])
            k=k+2
        k=len(a)
        for i in range(l,len(b)):
            a.insert(k,b[i])
            k=k+1
    c=a
else:
    if(len(b)>=len(a)):
        for i in a:
            b.insert(k,i)
            k=k+2
    else:
        l=len(b)
        for i in range(l):
            b.insert(k,a[i])
            k=k+2
        k=len(b)
        for i in range(l,len(a)):
            b.insert(k,a[i])
            k=k+1
    c=b
m=''
for i in c:
    m=m+str(i)
print(m)
```

Ques 2:
        Input:- 93012630
        Output:-   2,6,12,30,930,
We should divide the total number into substrings and we should verify each num is pronic num or not if pronic we should print that num
Pronic: means it is a multiple of two consecutive integers
        Ex: 6->2*3   it's a pronic
                12->3*4   it's a pronic

        Input: 12665042
        Output:- 2,6,12,42,650
Program:
```
a=int(input())
b=str(a)
n=len(b)
c=[]
k=0
l=0
for i in range(n):
    k=0
    l=i
```

```python
    if(i==0):
        for j in range(n):
            c.append(int(b[j]))
    else:
        for j in range(n-i):
            c.append(int(b[k:l+1]))
            k=k+1
            l=l+1
d=[]
for i in c:
    if(i not in d):
        d.append(i)
d=sorted(d)
for i in d:
    for j in range(1,150):
        if(j*(j+1)==i):
            print(i,end=',')
```