

```
#  
  
import array  
  
a=input("Enter the number: ")  
arr=array.array('i',[int(digit) for digit in a])  
non_zero=array.array('i')  
zero=array.array('i')  
  
for num in arr:  
    if num==0:  
        zero.append(num)  
    else:  
        non_zero.append(num)  
result=non_zero+zero  
b=int("".join(map(str,result)))  
print(b)
```

```
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a=input("Enter the number: ")  
arr=array.array('i',[int(digit) for digit in a])  
non_zero=array.array('i')  
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for num in arr:  
    if num==0:  
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    else:  
        non_zero.append(num)  
result=zero+non_zero  
b="".join(map(str,result))  
print(b)
```

```
#
```

```

n=int(input()) # no of elements in the array - 5

l=[] # empty list

for i in range(n):

    a=int(input())

    l.append(a) # 1 2 5 0 0

non_zero_index = 0

for i in range(len(l)): # i=4 ,non=3

    if l[i]!=0: # l[0]!=0 , l[1]!=0 , l[2]!=0 , l[3]!=0 , l[4]!=0

        l[non_zero_index],l[i]=l[i],l[non_zero_index] # l[0],l[0]=l[0],l[0], l[1],l[2]=l[2],l[1] , l[2],l[4]=l[4],l[2]

        non_zero_index += 1 # non-3

print("Updated array:", l)

```

```

#

n=int(input()) # no of elements in the array - 5

l=[] # empty list

for i in range(n):

    a=int(input())

    l.append(a) # 1 2 5 0 0

non_zero_index = len(l)-1

for i in range(len(l)-1,-1,-1): # i=4 ,non=3

    if l[i]!=0: # l[0]!=0 , l[1]!=0 , l[2]!=0 , l[3]!=0 , l[4]!=0

        l[non_zero_index],l[i]=l[i],l[non_zero_index] # l[0],l[0]=l[0],l[0], l[1],l[2]=l[2],l[1] , l[2],l[4]=l[4],l[2]

        non_zero_index -= 1 # non-3

print("Updated array:", l)

```

```

#

n=int(input())

prices=[]

for i in range(n):

    prices.append(int(input()))#7 1 5 3 6 4

```

```
max_profit=0
for i in range(1,len(prices)):
    if prices[i]>prices[i-1]:
        max_profit+=prices[i]-prices[i-1]
print("Maximum profit is:",max_profit)
```