Sample Test Case Input Output True

Ex. No. : 5.10 Date:

Register No.: 230701363 Name: THEEPAK PALANI KUMAR D

Strictly increasing

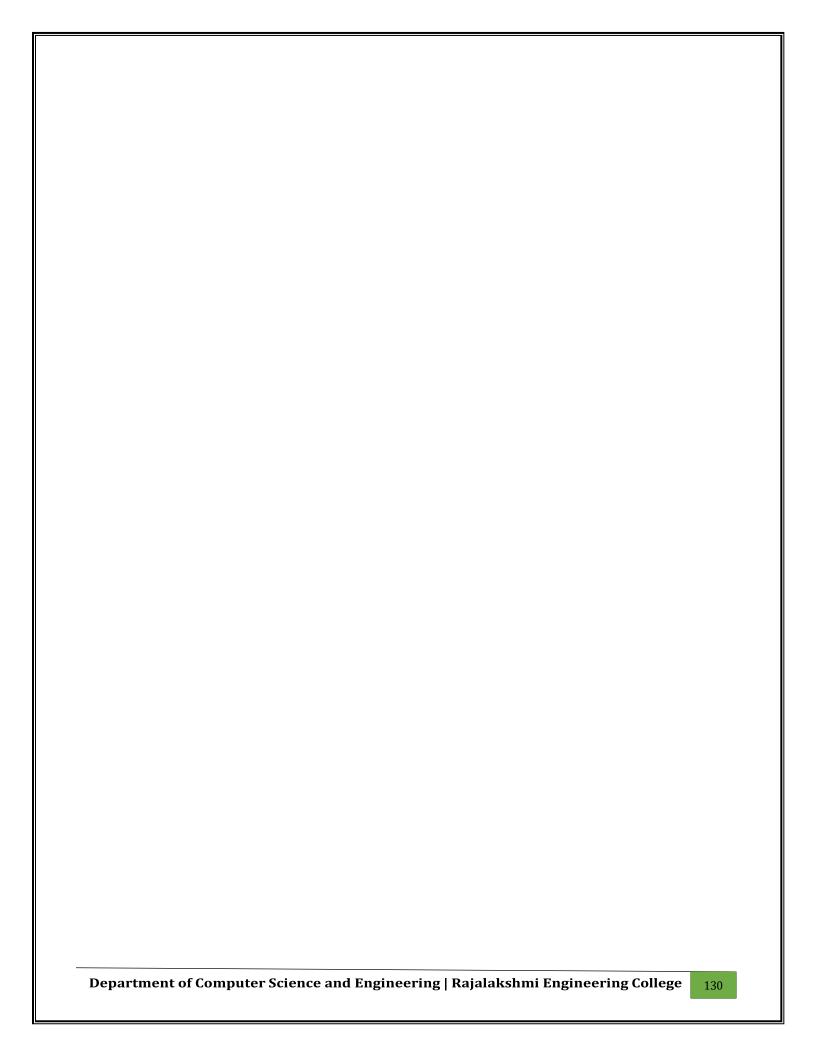
Write a Python program to check if a given list is strictly increasing or not. Moreover, If removing only one element from the list results in a strictly increasing list, we still consider the list true

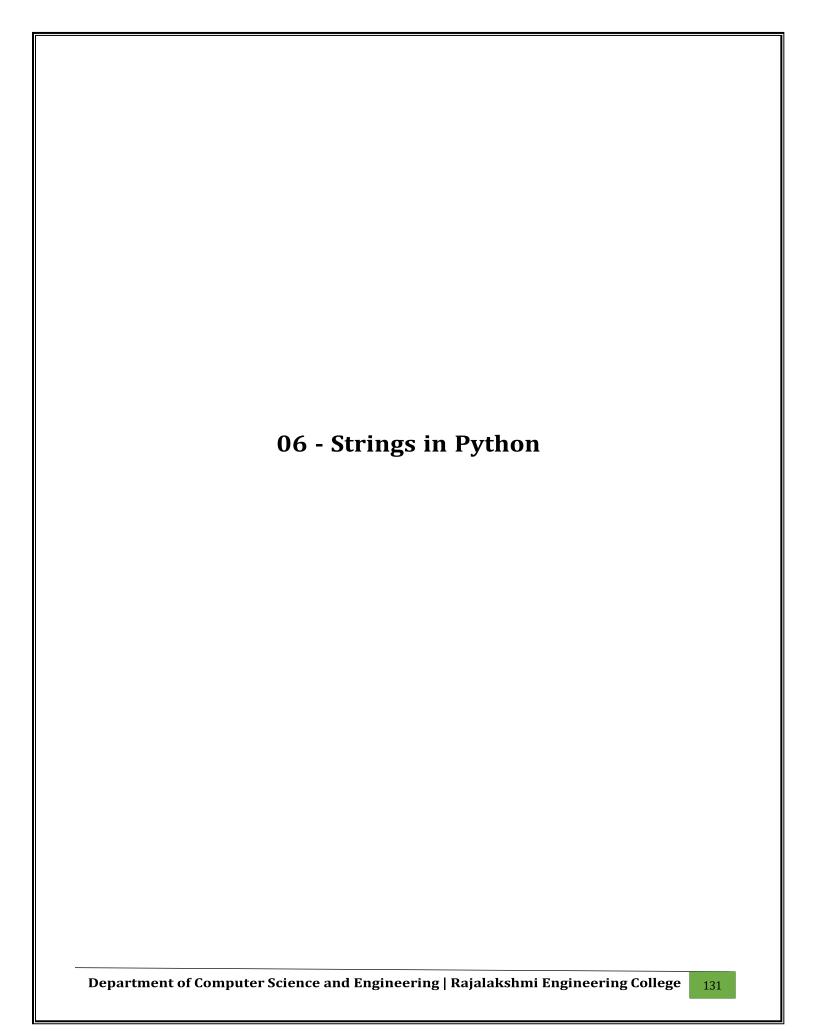
Input:

n : Number of elements List1: List of values Output

Print "True" if list is strictly increasing or decreasing else print "False"

```
a=int(input())
l=[]
for i in range(a):
  l.append(int(input()))
la= sorted(l)
ld=sorted (l, reverse=True)
if l==la or l==ld:
  print(True)
else:
  f=0
  for i in range(len(l)):
     b=l.pop(i)
     l2a=sorted(l)
     12d=sorted(l, reverse=True)
     if l==12a or l==12d:
        f=1
        break
     else:
       l.insert(i,b)
  if f==0:
     print(False)
  else:
     print(True)
```





For example:
Input Result
rec@123
3
1

Ex. No. : 6.1 Date:

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Count Chars

Write a python program to count all letters, digits, and special symbols respectively from a given string

```
a=input()
count1=0
count2=0
count3=0
for i in range(0,len(a)):
    if(a[i].isalpha()):
        count1=count1+1
    elif(a[i].isdigit()):
        count2=count2+1
    else:
        count3=count3+1
print(count1)
print(count2)
print(count3)
```

Sa a2	mple Input 1 b4c6			
Sa aa	mple Output 1 bbbbcccccc			

Ex. No. : 6.2 Date:

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Decompress the String

Assume that the given string has enough memory. Don't use any extra space(IN-PLACE)

```
s = input()
b = ""
i = 0
while i < len(s):
  if s[i].isalpha():
     char = s[i]
     i += 1
     num = ""
     while i < len(s) and s[i].isdigit():
        num += s[i]
       i += 1
     b+= char * int(num)
  else:
     b += s[i]
     i += 1
print(b)
```

Input Format:

The first line contains S1. The second line contains S2. The third line contains N.

Output Format:

The first line contains the N characters present in S1 which are also present in S2.

Boundary Conditions:

Example Input/Output 1:

Input:

abcbde cdefghbb 3

Output:

bcd

Note:

b occurs twice in common but must be printed only once.

Ex. No. : 6.3 Date:

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First N Common Chars

Two string values S1, S2 are passed as the input. The program must print first N characters present in S1 which are also present in S2.

```
s=input()
p=""
for i in range (len(s)):
    if(s[i] not in p):
        p=p+s[i]
x=0
s1=input()
N=int(input())
for i in p:
    for j in s1:
        if(i==j) and (x<N):
        x=x+1
        print(i,end="")
        break</pre>
```

Sample Input 1 experience enc Sample Output 1 xpri Department of Computer Science and Engineering | Rajalakshmi Engineering College 138 Ex. No. : 6.4 Date:

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Remove Characters

Given two Strings s1 and s2, remove all the characters from s1 which is present in s2.

```
Constraints

1<= string length <= 200

Program:

a=input()
b=input()
c=list(a)
d=list(b)
e=[]
for i in range(len(c)):
    if(c[i] not in d):
        e.append(c[i])
s=""
for j in range(len(e)):
    s+=e[j]
print(s)
```