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In [43]: #read a single line containing space-separated integer
         numbersStr=input("").split(' ')
         sumPN=0
         for number in numbersStr:
             number=int(number)
             is prime=True
             if number > 1:
                 for i in range(2, number):
                     if (number % i) == 0:
                          is prime=False
                          break
                 if is prime:
                     #calculate the sum of all prime numbers from 1 to N.
                      sumPN=sumPN+number
         #Display the result
         print('sum of primes',str(sumPN))
         3 5 8 77 564 9
         sum of primes 8
In [44]: # Python3 code to demonstrate
         # to check for strictly increasing list
         # using reduce() + Lambda
         # initializing list
         test list = [1, 4, 5, 7, 8, -2]
         # printing original lists
         print ("Original list : " + str(test_list))
         # using reduce() + Lambda
         # to check for strictly increasing list
         res = bool(lambda test list: reduce(lambda i, j: j if
                           i < j else 9999, test list) != 9999)</pre>
         # printing result
         print ("Is list strictly increasing ? : " + str(res))
         Original list : [1, 4, 5, 7, 8, -2]
         Is list strictly increasing?: True
```

Out[45]: False

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In [46]: def permute(s, answer):
    if (len(s) == 0):
        print(answer, end = " ")
        return

for i in range(len(s)):
        ch = s[i]
        left_substr = s[0:i]
        right_substr = s[i + 1:]
        rest = left_substr + right_substr
        permute(rest, answer + ch)

#Driver Code
answer = ""

s = input("Enter the string: ")

print("All possible strings are: ")
permute(s, answer)
```

Enter the string : USA
All possible strings are :
USA UAS SUA SAU AUS ASU