## # Q1. Given a list of integers, write a function to rerturn the sum of all prime numbers in that list

## # Q2. Given a list of integers ,write a function to check whether the list is strictly increasing or not.

## # Q3. Write a function to check whether a given list is expanding or not.

## # Q4. Write a function to calculate all permutation of a given string.

```
In [19]:
    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)

        answer = ""

        s = input("Enter the string: ")
        print("All possible strings are: ")
        permute(s, answer)

Enter the string: cdf
        All possible strings are: cdf cfd dcf dfc fcd fdc
```