Assignment-7

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1. **Program to calculate length of a string**

   str = input("Enter a string: ") counter = 0

   for s in str:

       counter = counter+1

   print("Length of the input string is:", counter)

   Output:-

   Enter a string: Corona virus Length of the

   input string is: 12

2. Program to count the number of characters(character frequency)in a string

```
def char_frequency(str1): dict = {}
    for n in str1:
            keys = dict.keys() if n in
            keys:
                dict[n] += 1
            else:
                dict[n] = 1
    return dict

print(char_frequency("my name is kalyani "))
```

Output:-

{'m': 2, 'y': 2, ' ': 4, 'n': 2, 'a': 3, 'e': 1, 'i': 2, 's': 1, 'k': 1, 'l': 1}

3. **Program to get a single string from given two strings**

```
str1 = 'GITAM'

str2 ='University'

print('str1 + str2 = ', str1 + str2)
```

Output:-

```
str1 + str2 = GITAMUniversity
```

4. **Program to convert string to list**

```
def Convert(string):

    li = list(string.split(" ")) return li

str1 = "Covid in india as corona virus" print(Convert(str1))
```

Output:-

```
['Covid', 'in', 'india', 'as', 'corona', 'virus']
```

5. **Program to remove the characters which have odd index values of a given string**

```
def odd_values_string(str): result = '' for I
    in range(len(str)): ''
    if i % 2 == 0:
            result = result + str[i] return
    result

print(odd_values_string('nidamam'))
```

Output:-

ndmm