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

```python
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