

Problems on Strings

1 . Find the length of a given string without using the len() function

```
In [ ]: s = input('enetr the string')

counter = 0

for i in s:
    counter += 1

print(s)
print('lenght of string is',counter)
```

Dishant

lenght of string is 7

2. Extract username from a given email.

- Eg if the email is xyz76@gmail.com
- then the username should be xyz76

```
In [ ]: s = input('enter the mail')

pos = s.index('@')

print(s)
print(s[0:pos])
```

xyz123@gmail.com

xyz123

3. Count the frequency of a particular character in a provided string.

- Eg 'hello how are you' is the string, the frequency of h in this string is 2.

```
In [ ]: s = input('enter the email')
term = input('what would like to search for')

counter = 0
for i in s:
    if i == term:
        counter += 1

print('frequency',counter)
```

frequency 1

4. Write a program which can remove a particular character from a string.

```
In [ ]: s = input('enter the string')
term = input('what would like to remove')
```

```

result = ''

for i in s:
    if i != term:
        result = result + i

print(result)

```

hi how are you

5. Write a program that can check whether a given string is palindrome or not.

- abba
- malayalam

```

In [ ]: s = input('enter the string')
print(s)
flag = True
for i in range(0, len(s)//2):
    if s[i] != s[len(s) - i - 1]:
        flag = False
        print('Not a Palindrome')
        break

if flag:
    print('Palindrome')

```

abba
Palindrome

6. Write a program to count the number of words in a string without split()

```

In [ ]: s = input('enter the string')
print(s)
L = []
temp = ''
for i in s:

    if i != ' ':
        temp = temp + i
    else:
        L.append(temp)
        temp = ''

L.append(temp)
print(L)

```

hi how are you
['hi', 'how', 'are', 'you']

7. Write a python program to convert a string to title case without using the title()

```

In [ ]: s = input('enter the string')
print(s)

L = []
for i in s.split():

```

```
L.append(i[0].upper() + i[1:].lower())  
  
print(" ".join(L))
```

how can i help you

How Can I Help You

8. Write a program that can convert an integer to string.

```
In [ ]: number = int(input('enter the number'))  
print(number)  
  
digits = '0123456789'  
result = ''  
while number != 0:  
    result = digits[number % 10] + result  
    number = number//10  
  
print(result)  
print(type(result))
```

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<class 'str'>

In []: