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In [2]: #1. Write a Python program to calculate the length of a string.
str = input("Enter a string: ")
print("Length of the input string is:", len(str))

Enter a string: likhitha
Length of the input string is: 8

In [39]: #2. Write a Python 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('likhitha reddy'))

{'l': 1, 'i': 2, 'k': 1, 't': 1, 'h': 1, 'a': 1, ' ': 1, 'r': 1, 'e': 1, 'd': 2, 'y': 1}

In [18]: #3. Write a Python program to get a single string from two given strings, separated by a space and swap the first two characters of each string
a=input()
b=input()
x=a[0:2]
a=a.replace(a[0:2],b[0:2])
b=b.replace(b[0:2],x)
print(a,b)

likhitha
reddy
rekhitha liddy

In [23]: #4. Write a Python script that takes input from the user and displays that input back in upper and lower cases
str_input = input("Enter a string: ")
print ("String with lower case = ", str_input.lower())
print ("The original string:" ,str_input)
print ("String with upper case = ", str_input.upper())
print ("The original string:" ,str_input)

Enter a string: hello..! welcome to python
String with lower case = hello..! welcome to python
The original string: hello..! welcome to python
String with upper case = HELLO..! WELCOME TO PYTHON
The original string: hello..! welcome to python

In [28]: #5. Write a Python program to remove a newline in Python.
str1='likhitha.g\n'
print(str1)
print(str1.rstrip())

likhitha.g
likhitha.g

In [29]: #6. Write a Python program to count occurrences of a substring in a string.
a = 'program to count occurrences of a substring in a string.'
print()
print(a.count("string"))
print()

2

In [31]: #7. Write a Python program to convert a string in a list.
def convert(string):
    li=list(string.split(" "))
    return li
str1="python program"
print(convert(str1))

['python', 'program']

In [32]: #8. Write a Python program to perform Deletion of a character
def remove_char(str, n):
    first_part = str[:n]
    last_part = str[n+1:]
    return first_part + last_part
print(remove_char('deletion', 0))
print(remove_char('deletion', 3))
print(remove_char('deletion', 5))

eletion
deltion
deleton

In [35]: #9. Write a program to print every character of a string entered by user in a new line using loop.
a = input()
for i in a:
    print(i)

hello
h
e
l
l
o

In [37]: #10. Write a program to find the length of the string "refrigerator" without using len function
a = "refrigerator"
count = 0
for i in a:
    count = count+1
print(count)

12

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