Expt. Name. Count the special character, alphabets, digits, Date: 07-01-2021 Aim: To write a program on counting the special character, alphabets, digits, lowercase and uppercase character Algorithm: step 1: Start step 2: Get the string input from the user step 3: initialize upper, lower, special-char and digit to zero Step 4: for loop for the length of the string Step 4.1: check if the & char is between A and 2, then increm -ent upper else go to step 4.2 step 4-2: check if the char is between a and 2, then increment lower else go to step 4.3 step 4.3: check if the char is between 0 to 9, then increment digit to one the increment special char to I step 5: print upper, lower, special char, digit, Alphabets step 6: Stop Program: count-char(str): upper, lower, special-char, digit = 0,0,0,0 for i in range (len(str)); if str[i]>='A' and str[i] <='z': upper = upper + 1 elif str [i] >= b' and str [i] L='z': lower = lower+1 elif str [i] >= 'b' and str [i] <= '9':

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digit = digit + 1 elif str [i]!= ": special-char = special-char + 1 print("upper case chars: ", upper) print ("Lower case chars: ", lower) print ("Special chars: ", special-char) print ("Digits: ", digit) print ("Alphabels: ", upper + lower) str = input() Count-char (str)	
Result: The above program is executed success fully and is attached.	d the output

Expt. No
Expt. Name. Wrap the string into a paragraph of width Date: 07-01-2022
A.
Aim;
To write a python program for given input string (s) and
width(w). Wrap the string into a g paragraph of width w.
Algorithm:
stepl: start
step 2: import textwrap library
step 3: yet the input from the user
step 4: Yet the width input from the user
step 5: print the output using fill function
step 6: Stop
Program:
import textwap
s = input ("Input a string:")
W= int (input ("Input the width of the paragraph: "). strip())
print (*Result: 1)
print ("textwoop. fill (s, w))
Result:
The above code is executed successfully and the output is
attached.
a lack a

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Expt. Name. Rind a string, matrix size NXM should use 1, and Date: 07-01-2022

Aim:

To write a python program to print the string "Welcome", Matrix size should NXM, where Nis odd number and Mis 3 times of N). The design should have "Welcome in the conter. The design should have only use 1, and - characters

Algorithm:

step 1: start

step 2: yet the string input from the user

n, m = map (int, input ('value of m and m: "). splill ()

pa step 3: Yet the value of n and m from he user

step 4: Calculate the relac pattern

steps: print the pattern

step6: Stop

Program:

a = int Cinput ("Enter the string:"))

n, m = map (int, input ("* value of n m:") split())

pattern = [('1, .' *(2*1+1)). (enter(m, '-') for 1 in range (n//2)]

print ('m', join (pattern + [a. Centor (m, '-')] + pattern [::-1]))

Result:

The above code is executed successfully and the output is attached.