

DEPARTMENT OF COMPUTER APPLICATIONS
PSG COLLEGE OF TECHNOLOGY
PRACTICE PROGRAMS

STRINGS

1. Write a Python program to find out the number of vowels and consonants of a given string.

Case 1 Input: drink

Expected Result: No of vowels: 1

No of consonants: 4

2. Write a program to count the number of letters in a word.
3. 1) Write a program to accept a line and print its statistics like:
 - a) Number of uppercase letters
 - b) Number of lowercase letters
 - c) Number of alphabets
 - d) Number of digits
4. Write a program that accepts a string and display the string in the following order.

Input : Enter a string: Hello

Output:

H
He
Hel
Hell
Hello

5. Write a program that extracts the digits from a given string and find the sum of digits.

Input: Enter a string: hello123@gmail.com

Output: The original string is: hello123@gmail.com

The digits are: 1,2,3

The sum of the digits are:6

Input: Enter a string: hello

Output: The original string is: hello

The string does not contain any digit.

6. Write a Python program to check the user name and password as mentioned below .

- a) The user name must contain only alphabets.
- b) The password must contain the following:
 - i. The length must be 7.
 - ii. The first letter must be an uppercase letter.

Input: Enter the user name: skumar

Enter the password: Asdfgfh

Output: The user login created successfully

Input: Enter the user name: skumars

Enter the password: asdfgghi

Output: Password length must be strictly 7 and it should start with uppercase letter.

8. Write a program to find out the length of a given string. Don't take blank spaces into account while counting the length .

Input:

Enter a String: I Love India.

Output:

The length of the string is :10

9. Write a Python program to remove characters that have odd index values in a given string.

Input:

India.

Output:

Ida

10. Write a Python program to check whether a string starts with specified characters.