

CDAC MUMBAI

1. Write a program which takes a string and prints the number of vowels, consonants(non-vowels), numbers and other characters.

Input: "Hello world 37 1!"

Output: Vowels: 3
 Consonants: 7
 Numbers: 2
 Others: 6

2. Given a string which contains numbers from 0 to 9 expressed as words, output a string which contains all numbers incremented by 1

Input : There are three bugs and nine features

Output : There are four bugs and ten features

3. Write a function to replace multiple consecutive occurrences of characters with a single character

Input : abccddde

Output : abcde

Input : aabbbbbaaa

Output : aba

4. 5. Given a string, print the first non-repeating character in the string.

Input: "aabbccdeeff", Output: d

Input: "aabbccddeeffg", Output: "Not found"

5. Write a program which prints the length of each word in a sentence.

Input: I am a Java programmer

Output: 1 2 1 4 10

6. Given a string, check whether it is formed by concatenating the same string 3 times.

Input: "abcabcabc", Output: true (abc is repeated 3 times)

Input: "abcdabcdabcd", Output: true (abcd is repeated 3 times)

Input: "andandan", Output: false

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7. Given a string , output another string where the case of the characters is reversed.

Input : "Hello World"

Output : "hELLO wORLD"

8. Write a program to reverse a string.

Input : "hello"

Output : "olleh"

Input : "Hello World"

Output : "dlrow olleh"

9. Write a program which accepts two string and prints all unique characters which are common in both stirngs.

Input 1 : "hello world"

Input 2 : "lot of work"

output : 'l' , 'o' , 'w' , 'r'