

## **Experiment - 7**

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**CLASS: 607/A**  
**SUBJECT: CC LAB**  
**UID: 20BCS9393**

### Task 1 - Camel Case

There is a sequence of words in CamelCase as a string of letters, s, having the following properties:

- It is a concatenation of one or more words consisting of English letters.
- All letters in the first word are lowercase.
- For each of the subsequent words, the first letter is uppercase and rest of the letters are lowercase.

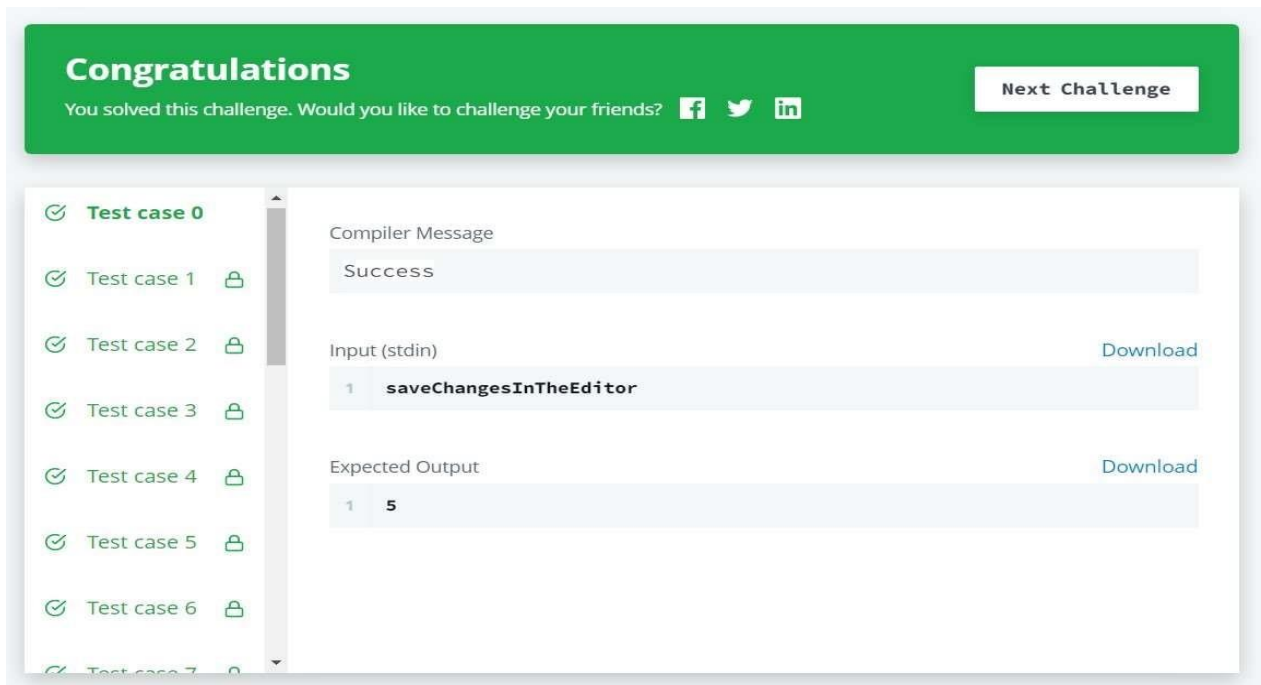
Given s, determine the number of words in s.

Code -

```
import java.io.*;
class Result {
    public static int camelcase(String s)
    {
        int count=1;
        for(int i=0;i<s.length();i++)
            if(Character.isUpperCase(s.charAt(i)))
                count++;

        return count;
    }
}
```

Output -



## Task 2 - Strong Password

Louise joined a social networking site to stay in touch with her friends. The signup page required her to input a name and a password. However, the password must be strong.

The website considers a password to be strong if it satisfies the following criteria:

- Its length is at least.
- It contains at least one digit.
- It contains at least one lowercase English character.
- It contains at least one uppercase English character.
- It contains at least one special character. The special character are: !@#\$%^&\*()-+  
She typed a random string of length  $n$  in the password field but wasn't sure if it was strong. Given the string she typed, can you find the minimum number of characters she must add to make her password strong?

Code -

```
import java.io.*;
class Result {
    public static int minimumNumber(int n, String pass) {
        int c2=0;
        int c1;
        symb[]={0,0,0,0};
        if(n<6)
            c1 = 6-n;
        else
            c1
            =0;
        for(int
            i=0;i<n;i++)
```

Output -

Output -

Learning Outcomes - • Learnt  
about string.

- Learnt about different string functions.
- Learnt about String Tokenizer.