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Date: 03/03/2025  
Assignment: Homework 6 Problem 3  
Source Code: Homework6Problem3.java  
Class: Online Section 35101  
Action: Input two strings, combine them. Convert the combined string to upper case  
and count the upper case letters in the original combined string. Place your strings  
in double quotes.

```
*/  
package testlab;  
  
import java.util.*;  
  
public class Homework6Problem3  
{  
    public static void main(String[] args)  
    {  
        Scanner Input = new Scanner(System.in);  
        String String1, String2, CombinedString, StringUpperCase;  
        int UpperCase = 0, i = 0;  
        char Ch;  
  
        System.out.print("Please enter 1st string--> ");  
        String1 = Input.nextLine();  
        System.out.print("Please enter 2nd string--> ");  
        String2 = Input.nextLine();  
        System.out.println(" ");  
        CombinedString = String1 + ' ' + String2;  
        StringUpperCase = CombinedString;  
  
        System.out.print("String one --> ");  
        System.out.print(' ');  
        System.out.print(String1);  
        System.out.print(' ' + ","); System.out.print(" Length = ");  
        System.out.print(String1.length()+"\n");  
  
        System.out.print("String two --> ");  
        System.out.print(' ');  
        System.out.print(String2);  
        System.out.print(' ' + ","); System.out.print(" Length = ");  
        System.out.print(String2.length()+"\n");  
  
        System.out.print("String combined --> ");  
        System.out.print(' ');  
        System.out.print(CombinedString);  
        System.out.print(' ' + ","); System.out.print(" Length = ");  
        System.out.print(CombinedString.length()+"\n");  
        System.out.println(" ");  
  
        StringInnerCase = StringInnerCase.toUpperCase();
```

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StringUpperCase = StringUpperCase.toUpperCase();

System.out.print("String UpperCase --> ");
System.out.print('');
System.out.print(StringUpperCase);
System.out.print('');
System.out.println(" ");

do
{
    Ch = CombinedString.charAt(i);

    if(Ch >= 'A' && Ch <='Z')
        UpperCase++;

    i++;

}while(i < CombinedString.length());

System.out.print("The final string has ");System.out.print(UpperCase);
System.out.println(" upper case letters.");
}

}
/* *****Program Output*****
Please enter 1st string--> Hello
Please enter 2nd string--> my name is Josh.

String one --> "Hello", Length = 5
String two --> "my name is Josh.", Length = 16
String combined --> "Hello my name is Josh.", Length = 22

String UpperCase --> "HELLO MY NAME IS JOSH."
The final string has 2 upper case letters.

Please enter 1st string--> This
Please enter 2nd string--> is Fun!

String one --> "This", Length = 4
String two --> "is Fun!", Length = 7
String combined --> "This is Fun!", Length = 12

String UpperCase --> "THIS IS FUN!"
The final string has 2 upper case letters.

Please enter 1st string--> oops,
Please enter 2nd string--> i forgot any capital letters.

String one --> "oops, ", Length = 6
String two --> "i forgot any capital letters.", Length = 29
String combined --> "oops, i forgot any capital letters.", Length = 36

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```
String UpperCase --> "OOPS, I FORGOT ANY CAPITAL LETTERS."  
The final string has 0 upper case letters.  
*/
```