

[LETTER COUNTER]

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3BSCS-1Laboratory Activity 002
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SOURCE CODE

```
import java.util.Scanner;

public class Main {
    private static Scanner in = new Scanner(System.in);
    public static void main(String[] args)
    {
        System.out.println("---[ Welcome to Letter Counter ]---\n" +
            "by Marasigan, Vem Aiensi : 3BSCS-1\n\n");

        String input = "";

        while(true) {
            System.out.print("Enter Sentence: ");
            input = in.nextLine();
            countLetter(input);
        }

        static void countLetter(String input)
        {
            char c;
            int count = 0;

            System.out.print("Enter Letter: ");
            c = in.next().charAt(0);

            for(int i = 0; i<input.length(); i++)
            {
                if(c == input.charAt(i) || Character.toUpperCase(c) == input.charAt(i))
                {
                    count++;
                }
            }
            outCome(count, c);

            System.out.print("[1] Count another letter    [2] Enter another sentence: \t");
            if(in.next().equals("1"))
            {
                countLetter(input);
            }
            else
            {
                in.nextLine();
            }
        }

        static void outCome(int count, char c)
        {
            String phrase = "";
            if(count>0) {
                if (count > 1) {
                    phrase = count + " times.";
                } else{
                    phrase = "only once";
                }
                System.out.println("The letter '" + c + "' occurred " + phrase + "\n");
            } else{
                System.out.println("The letter '" + c + "' is not found in the sentence\n");
            }
        }
    }
}
```

OUTPUT

```
"C:\Program Files\Java\jdk-19\bin\java.exe" "-javaagent:D:\Progr
---[ Welcome to Letter Counter ]---
by Marasigan, Vem Aiensi : 3BSCS-1

Enter Sentence: The quick brown fox jumps over the lazy dog.
Enter Letter: c
The letter 'c' occurred only once

[1] Count another letter    [2] Enter another sentence: 1
Enter Letter: a
The letter 'a' occurred only once

[1] Count another letter    [2] Enter another sentence: 1
Enter Letter: o
The letter 'o' occurred 4 times.

[1] Count another letter    [2] Enter another sentence: 2
Enter Sentence: Hello World
Enter Letter: l
The letter 'l' occurred 3 times.

[1] Count another letter    [2] Enter another sentence: 1
Enter Letter: w
The letter 'w' occurred only once

[1] Count another letter    [2] Enter another sentence: 2
Enter Sentence: I finished this lab activity! Hooray!
Enter Letter: i
The letter 'i' occurred 6 times.

[1] Count another letter    [2] Enter another sentence: 1
Enter Letter: n
The letter 'n' occurred only once

[1] Count another letter    [2] Enter another sentence: 1
Enter Letter: c
The letter 'c' occurred only once
```

[JAVA PROJECT FOLDER HERE](#)