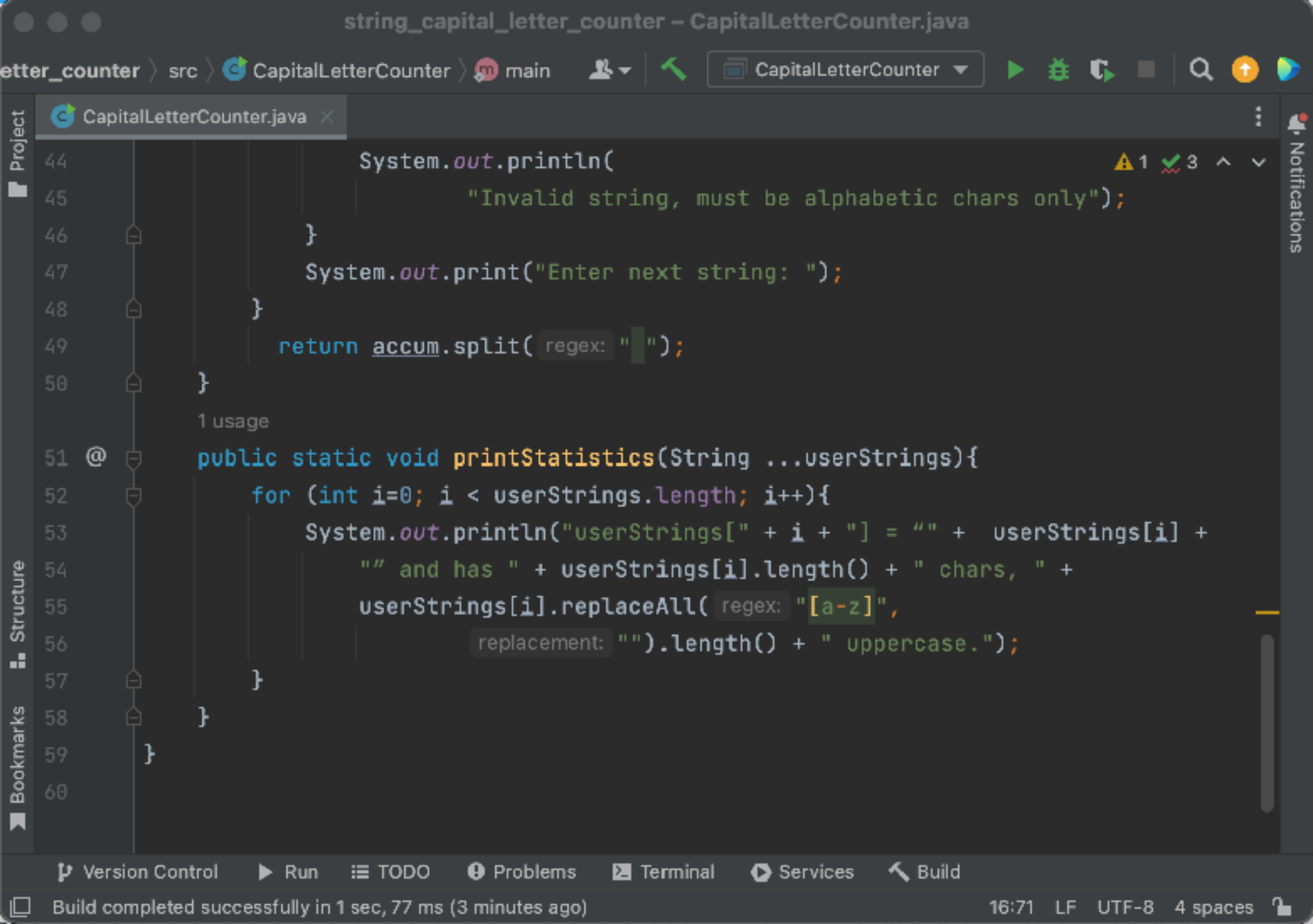
```java
import java.util.Scanner;
import java.util.regex.Matcher;
import java.util.regex.Pattern;

no usages
public class CapitalLetterCounter {
    /*
     * Count uppercase letters in user-entered strings.
     *
     * This class reads an arbitrary number of user-submitted strings until a
     * blank string is read. The strings are then converted into an array.
     * Each string's length and number of uppercase letters are reported.
     * The method doing the reporting uses varargs.
     */

    no usages
    public static void main(String[] args) {
        // Get an array of user-entered strings consisting of uppercase and
        // lowercase letters.
        String[] userStrings = getUserStrings();
        printStatistics(userStrings);
        // For each string, print statistics: total and uppercase letters.
    }

    1 usage
    public static String[] getUserStrings(){
        /* Each user string, if validated as consisting of only alphabetic
         * characters, is appended to a single string consisting of all of
         * the user's strings, separated by spaces.
         */
        Pattern pattern = Pattern.compile( regex: "^[A-Z]+$",
                Pattern.CASE_INSENSITIVE);
        Matcher matcher;
        boolean matchFound;
        String userString;
        String accum = "";
        Scanner scanner = new Scanner(System.in);
        System.out.print("Enter a string: ");
            while(!(userString = scanner.nextLine()).isEmpty()) {
                System.out.println("You entered: " + userString);

                matcher = pattern.matcher(userString);
                matchFound = matcher.find();
                if (matchFound){
                    accum += ((accum.isEmpty()) ? userString :' ' + userString);
                } else {
```


string_capital_letter_counter – CapitalLetterCounter.java
etter_counter 〉 src 〉 CapitalLetterCounter 〉 main
CapitalLetterCounter
CapitalLetterCounter.java
Project
Structure
Bookmarks
Notifications
1 3
System.out.println(
"Invalid string, must be alphabetic chars only");
}
System.out.print("Enter next string: ");
}
return accum.split(regex: " ");
}
1 usage
public static void printStatistics(String ...userStrings){
for (int i=0; i < userStrings.length; i++){
System.out.println("userStrings[" + i + "] = "" + userStrings[i] +
"" and has " + userStrings[i].length() + " chars, " +
userStrings[i].replaceAll(regex: "[a-z]",
replacement: "").length() + " uppercase.");
}
}
}
Version Control
Run
TODO
Problems
Terminal
Services
Build
Build completed successfully in 1 sec, 77 ms (3 minutes ago)
16:71
LF
UTF-8
4 spaces

CapitalLetterCounter.java

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```

Run: CapitalLetterCounter

```
/Library/Java/JavaVirtualMachines/jdk-19.jdk/Contents/Home/bin/java -javaagent:/Ap
Enter a string: A
You entered: A
Enter next string: BcDeF
You entered: BcDeF
Enter next string: ABC_def
You entered: ABC_def
Invalid string, must be alphabetic chars only
Enter next string: getUserStrings
You entered: getUserStrings
Enter next string:
userStrings[0] = “A” and has 1 chars, 1 uppercase.
userStrings[1] = “BcDeF” and has 5 chars, 3 uppercase.
userStrings[2] = “getUserStrings” and has 14 chars, 2 uppercase.

Process finished with exit code 0
```