

Write a Java program that performs the following operations on a given string: find its length, convert it to uppercase, extract a substring, and replace a character.

```
StringOperations.java > ...
1  public class StringOperations {
    Run | Debug
2      public static void main(String[] args) {
3          String originalString = "Hello, World!";
4
5          // Find the length of the string
6          int length = originalString.length();
7          System.out.println("Length: " + length);
8
9          // Convert the string to uppercase
10         String upperCaseString = originalString.toUpperCase();
11         System.out.println("Uppercase: " + upperCaseString);
12
13         // Extract a substring (from index 7 to the end)
14         String substring = originalString.substring(beginIndex:7);
15         System.out.println("Substring: " + substring);
16
17         // Replace a character (replace 'o' with 'a')
18         String replacedString = originalString.replace(oldChar:'o', newChar:'a');
19         System.out.println("Replaced String: " + replacedString);
20     }
21 }
```

PROBLEMS 1 OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
PS C:\Users\SWETHA BENNY\Documents\javaProject> javac StringOperations.java
>> java StringOperations
>>
Length: 13
Uppercase: HELLO, WORLD!
Substring: World!
Replaced String: Hella, World!
PS C:\Users\SWETHA BENNY\Documents\javaProject>
```