

Debugging Practice

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- The code below is broken. I have placed the expected output in the comments. Using the debugger tool and everything you've learned about loops, go through and debug this faulty code so it prints as expected.

```
import java.util.*;

public class DebuggingPractice {
    public static void main(String[] arg) {
        Scanner sc = new Scanner(System.in);

        /**
         Expected output:

         How many layers in your pyramid do you want?
         4

         *
         * *
         * * *
         * * * *

         */
        System.out.println("How many layers in your pyramid do you want?");
        int levels = sc.nextInt();

        System.out.println();

        for (int i=0; i<=levels; i++) {
            for (int j=i-1; j>0; j++) {
                System.out.print("* ");
            }

            System.out.println();
        }

        /**
         Expected output:

         What is your name?
         Turk

         K R U T

         */
        System.out.println("What is your name?");
        String str = sc.nextLine().toUpperCase();
        String str2 = "";

        System.out.println();
        for (int i=str.length(); i<0; i--) {
```

```
        str2 += str.charAt(i);  
    }  
  
    System.out.println(str2);  
  
    sc.close();  
}  
}
```