JAVA PROGRM-BALANCED BRAKET

```java
package pppp;
import java.util.Scanner;
import java.util.Stack;

public class Expression {

public static void main(String[] args) {
boolean flag = false;
        Stack<Character> input = new Stack<Character>();
System.out.println("Enter your String to check:");
        Scanner scanner = new Scanner(System.in);
        String sinput = scanner.nextLine();
char[] c = new char[15];
c = sinput.toCharArray();
for (int i = 0; i<c.length; i++) {
if (c[i] == '{' || c[i] == '(' || c[i] == '[')
input.push(c[i]);
else if (c[i] == ']') {
if (input.pop() == '[') {
flag = true;
continue;
                } else {
flag = false;
break;
                }
            } else if (c[i] == ')') {
if (input.pop() == '(') {
flag = true;
continue;
                } else {
flag = false;
break;
                }
            } else if (c[i] == '}') {
if (input.pop() == '{') {
flag = true;
continue;
                } else {
flag = false;
break;
                }
            }
        }
if (flag == true)
System.out.println("balanced");
else
System.out.println("Unbalanced");
scanner.close();

    }

}
```

OUTPUT

Console ✕

<terminated> Expression [Java Application] C:\Program Files\Java\jre1.8.0_221\bin\javaw.exe (28-May-2020, 12:15:36 PM)

Enter your String to check:
[{}
Unbalanced

Console ✕

<terminated> Expression [Java Application] C:\Program Files\Java\jre1.8.0_221\bin\javaw.exe (28-May-2020, 12:14:24 PM)

Enter your String to check:
[{()}]
balanced