

Error Log Entry

What error message did you encounter (if any)?

no error messages however some parts didnt work out as planned.

What unexpected behavior did your program exhibit?

The first thing it did was allow the user to enter 4 guesses before ending the application instead of only 3 guesses. The second unexpected thing it did was not display "The password you have entered is incorrect" to the user despite it being in the code.

What caused the issue? (e.g., syntax error, logic error, incorrect function usage, etc.)

1 Logic Error 2 Syntax error - In order to display the message when the user enters the password incorrect, the if statement must be in the loop to execute it after each attempt rather than outside where it would only display at the end if the password was wrong and had under 3 guesses. (Which was never)

Include a screenshot of specific lines of code.

```
public static void main(String[] args) {
    String password = "MOTD10P";
    String guess = " ";
    Scanner input = new Scanner(System.in);
    int numguess = 0;
    do {
        System.out.println("Password: ");
        guess = input.nextLine();
        numguess += 1;
        if(guess.equalsIgnoreCase(password) == false && numguess <= 2) {
            if(guess.equalsIgnoreCase(password) == true) {
                System.out.println("Welcome!");
            }
            else if (guess.equalsIgnoreCase(password) == false && numguess > 2) {
                System.out.print("The password you have entered is incorrect.");
            }
            else {
                System.out.print("Access denied.");
            }
        }
    } while(guess.equalsIgnoreCase(password) == false && numguess <= 2);
    input.close();
}
```

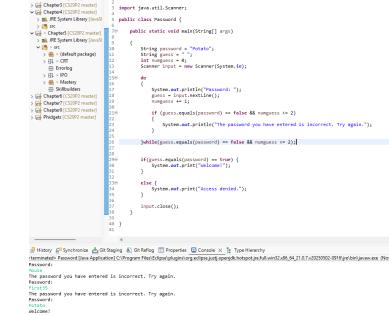
How did you fix the issue?

- 1 I fixed the issue by changing the condition to return false when the number of guesses is less than or equal to 2 instead of 3
- 2 I moved where it would system.out.print "The password was incorrect" into the loop so it would execute it each time rather than at the end.

Provide the corrected code or solution using a screenshot.

```
do {
    System.out.println("Password: ");
    guess = input.nextLine();
    numguess += 1;
    if (guess.equalsIgnoreCase(password) == false && numguess <= 2) {
        System.out.print("The password you have entered is incorrect.");
    }
}
```

```
while(guess.equalsIgnoreCase(password) == false && numguess <= 2);
```



```
package factory;
import java.util.Scanner;
public class Password {
    public static void main(String[] args) {
        String password = "MOTD10P";
        String guess = " ";
        Scanner input = new Scanner(System.in);
        int numguess = 0;
        do {
            System.out.println("Password: ");
            guess = input.nextLine();
            numguess += 1;
            if(guess.equalsIgnoreCase(password) == false && numguess <= 2) {
                if(guess.equalsIgnoreCase(password) == true) {
                    System.out.println("Welcome!");
                }
                else if (guess.equalsIgnoreCase(password) == false && numguess > 2) {
                    System.out.print("The password you have entered is incorrect, try again.");
                }
                else {
                    System.out.print("Access denied.");
                }
            }
        } while(guess.equalsIgnoreCase(password) == false && numguess <= 2);
        input.close();
    }
}
```