

Assessment Section A: Marking Tasks

Java Marking Task: Review and give feedback on a hypothetical student's code.

Hi there, I am trying to do Task 6 and JOptionPane.ShowDialog() does not work. For some reason it does not store the input to the string variable it is assigned to, so my do-while loop ends up in an infinite loop. Can you please help me?

```
import java.util.*; import javax.swing.*;
public class do_whilePassword {
    public static void main ( String [] args ) {
        String choice = ""; do {
            //System.out.println( "Enter today's number from the menu:" ); choice =
            JOptionPane.showInputDialog("Please enter in a password");
        }while(choice != "John" ); } }
```

Hi There Student,

To address your main concern about the infinite loop, you need to look at the condition of your while loop. The condition you have written to end the while loop would only work if the password was an integer. Try to do some research on how to use comparison operators for strings, hint: you will need to use an inbuilt method.

I can also see that the way you have laid out your code is not ideal. For example, it would be better to have all your imports underneath each other as opposed to having them all on one line. You should make a similar change with the bits of code directly underneath the 'choice' variable declaration and use spacing between the class declaration, method head and method body to make the code more readable. You might also want to consider adding some comments to your code to explain how it works. These things might seem a bit trivial, but it makes the code much more readable for other programmers and building these habits now will go a long way in helping your career.

Don't forget to notify the user of a correct password entry and add in a functionality that allows only three attempts at the password before requiring a change, for this you might want to consider a counter variable. You also need some code to allow for the resetting of the password, perhaps you should consider creating a new method for this altogether and calling it in the main method under the condition that the user enters the incorrect password too many times.