

List no 8

1. Implement a windowed application that allows the user to enter their first and last name in separate text fields.
2. Add a button, 'Hello,' to the application that, when clicked, will display a pop-up window with the text 'Hello \$first_name \$last_name,' where the values of the text fields will be substituted in place of \$first_name and \$last_name.

```
import javax.swing.*;
public class DialogBoxPopUp {
    public static void main(String[] args) {
        JOptionPane.showMessageDialog( parentComponent: null,
            message: "That's Message Box",
            title: "Title",
            JOptionPane.INFORMATION_MESSAGE);
    }
}
```

Fig.1. Example source code for MessageBox Window

3. To your application, add a PESEL field that allows the user to enter an 11-digit PESEL [1] number.
4. To your application, add a "Validate PESEL" button that allows checking the correctness of the entered PESEL number.
5. Write a validatePesel function that will return True if the PESEL is correct and False if it is incorrect.
6. To your application, add a e-mail field that allows the user to enter an e-mail address.
7. To your application, add a "Validate e-mail" button that allows checking the correctness of the entered e-mail adress.
- 8.
9. Write a validateEMail function that will return True if the e-mail is correct and False if it is incorrect [2].

[1] - <https://en.wikipedia.org/wiki/PESEL>

[2] - https://help.xmatters.com/ondemand/trial/valid_email_format.htm

[3] - https://www.w3schools.com/java/java_regex.asp