

Contents

1	Validation using Swing	2
1.1	Aim	2
1.2	Code	2
1.3	Output	3

1 Validation using Swing

1.1 Aim

- Create a Swing form with fields phone number and email ID
- Validate the fields

1.2 Code

```
package org.projects.prog11;
import java.awt.GridLayout;
import java.awt.event.ActionEvent;
import java.awt.event.ActionListener;

import javax.swing.*;

//11. Write a swing program for validating the form having a numeric field,
//character field, phone number, and email ID.

public class Swing {
    public static void main(String[] args) {
        JFrame frame = new JFrame("Swing Example");
        frame.setLayout(new GridLayout(3, 2));
        frame.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
        frame.setSize(300, 130);

        JTextField phoneNum = new JTextField();
        frame.add(new JLabel("Phone"));
        frame.add(phoneNum);

        JTextField email = new JTextField();
        frame.add(new JLabel("Email"));
        frame.add(email);

        JButton submit = new JButton("Submit");
        JLabel result = new JLabel();
        result.setHorizontalAlignment(JLabel.CENTER);

        submit.addActionListener( new ActionListener() {
            public void actionPerformed(ActionEvent e) {
                String em = email.getText();
                String phone = phoneNum.getText();
                result.setText("invalid");

                if (em.isEmpty() || phone.isEmpty()) { return; }

                try {
                    Long.parseLong(phone);
                    if (phone.length() < 10) { return; }
                } catch (Exception error) { return; }

                if (!em.contains("@")) { return; }

                result.setText("Valid");
            }
        });
    }
}
```

```
    frame.add(submit);  
    frame.add(result);  
    frame.setVisible(true);  
}  
}
```

1.3 Output