

Name: Ly Long

ID: B20180358

Group: MS1

```
package window;
import javax.swing.*;
import java.awt.*;
import java.awt.event.ActionEvent;
import java.awt.event.ActionListener;
import java.awt.event.KeyAdapter;
import java.awt.event.KeyEvent;

public class GridLayout extends JFrame{
    JLabel jname = new JLabel("Name:");
    JLabel jpass = new JLabel("Password:");
    JTextField name = new JTextField(10);
    JTextField password = new JTextField(10);
    Button button = new Button("Login");
    Button close = new Button("Close");

    public GridLayout()
    {
        JPanel panel = new JPanel();
        panel.setLayout(new GridLayout(3,2,5,5));
        panel.add(jname);panel.add(name);
        panel.add(jpass);
        panel.add(password);
        panel.add(button);
        panel.add(close);
        add(panel);
        pack();
        setResizable(false);
        setVisible(true);
        //event for button
        button.addActionListener(new ActionListener() {
            @Override
            public void actionPerformed(ActionEvent e) {
                System.out.println(name.getText().toString());
                name.setText("");
            }
        });
        name.addKeyListener(new KeyAdapter() {
            @Override
```

```
        public void keyTyped(KeyEvent e) {

            if(e.getKeyCode()==KeyEvent.VK_0)
                System.out.println(name.getText().toString());
        }

        @Override
        public void keyPressed(KeyEvent e) {

            if(e.getKeyCode()==KeyEvent.VK_0)
                System.out.println(name.getText().toString());
        }

        @Override
        public void keyReleased(KeyEvent e) {
            if(e.getKeyCode()==KeyEvent.VK_0)
                System.out.println(name.getText().toString());
        }
    });
}

public static void main(String[] args)
{

    new GridLayout();

}

}
```