```java
1  package by.riit.gui_basic_component;
2
3  import java.awt.*;
4  import java.awt.event.*;
5  import javax.swing.*;
6
7  public class PasswordField {
8
9      public PasswordField() {
10         final JFrame frame = new JFrame("JPasswordField Demo");
11         JLabel lblUser = new JLabel("User Name:");
12         final JTextField txtUser = new JTextField(20);
13         lblUser.setLabelFor(txtUser);
14
15         JLabel lblPassword = new JLabel("Password:");
16         final JPasswordField pfPassword = new JPasswordField(20);
17         lblPassword.setLabelFor(pfPassword);
18
19         JButton btnGet = new JButton("Display Password");
20         btnGet.addActionListener(
21                 new ActionListener() {
22                     public void actionPerformed(ActionEvent e) {
23                         String password = new String(pfPassword.getPassword());
24                         JOptionPane.showMessageDialog(frame,
25                                 "User Name: " + txtUser.getText() +
26                                         "\nPassword is " + password);
27                         // а это на консоль
28                         System.out.println("User Name: " + txtUser.getText());
29                         System.out.println("Your password is: " + password);
30                     }
31                 });
32
33         JButton btnLogin = new JButton("Login");
34
35         JPanel panel = new JPanel();
36         panel.setLayout(new GridLayout(3, 2, 10, 10));
37
38         panel.add(lblUser);
39         panel.add(txtUser);
40         panel.add(lblPassword);
41         panel.add(pfPassword);
42         panel.add(btnLogin);
43         panel.add(btnGet);
44         frame.add(panel);
45
46         frame.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
47         frame.setSize(300, 200);
48         frame.pack();
49         frame.setLocationRelativeTo(null);
50         frame.setVisible(true);
51     }
52
53     public static void main(String[] args) {
54         new PasswordField();
```

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55        }
56 }
57
```