JPasswordField

PasswordField is a part of javax.swing package. The class JPasswordField is a component that allows editing of a single line of text where the view indicates that something was typed by does not show the actual characters. JPasswordField inherits the JTextField class in javax.swing package.

Constructors of the class are:

1. **JPasswordField()**: This constructor is used to creates a new PasswordField.
   Example
   > JPasswordField pwdf=new JPasswordField();

2. **JPasswordField(int columns)** : This constructor is used to creates a new empty PasswordField with specified number of columns.
   Example
   > JPasswordField pwdf=new JPasswordField(15);

3. **JPasswordField(String Password)** : This constructor is used to creates a new empty Password field initialized with the given string.
   Example
   > JPasswordField pwdf=new JPasswordField("enter password");

4. **JPasswordField(String Password, int columns)** : This constructor is used to creates a new empty PasswordField with the given string and a specified number of columns .
   Example
   > JPasswordField pwdf=new JPasswordField("enter password",20);

Methods of JPasswordField:

1. **changeEchoChar()** : This method is used to returns the character used for echoing in JPasswordField.
   Example
   > char ch=pwdf.changeEchoChar();

2. **setEchoChar(char c)** : This method is used toset the echo character for JPasswordField.
   Example
   > pwdf.setEchoChar('@');

3. **String getPassword()** : This method is used to returns the text contained in JPasswordField.

   Example

       String pwd=pwdf.getPassword();

4. **String getText()** : This method is used to returns the text contained in JPasswordField.

   Example

       String uname=pwdf.getText();

5. **String setText()** : This method is used to set the text forJPasswordField.

   Example

       pwdf.setText("Enter password");

Example

```java
importjavax.swing.*;
public class PassField
{
    public static void main(String[] args)
    {
        JFrame frame=new JFrame("Password Field Example");
        JPasswordField pwdf = new JPasswordField();
        JLabel label=new JLabel("Password:");
        label.setBounds(20,100, 80,30);
        pwdf.setBounds(100,100,100,30);
        frame.add(value);
        frame.add(l1);
        frame.setSize(300,300);
        frame.setLayout(null);
        frame.setVisible(true);
    }
}
```

//Login Page
```java
import java.awt.*;
import javax.swing.*;

public class LoginEx
```

```java
{
    public static void main(String[] args)
    {

        JFrame f= new JFrame("Login Example Example");
        JLabel l1,l2,l3;

        Font font=new Font("Arial Black",Font.BOLD,16);

        l1=new JLabel("LOGIN PAGE",JLabel.CENTER);
        l1.setBounds(150,20, 200,40);
        l1.setBackground(Color.blue);
        l1.setOpaque(true);
        l1.setForeground(Color.yellow);
        l1.setFont(font);

        l2=new JLabel("User Name");
        l2.setBounds(50,100, 200,30);
        l2.setBackground(Color.pink);
        l2.setOpaque(true);
        l2.setForeground(Color.blue);
        l2.setFont(font);

        JTextField t1=new JTextField();
        t1.setBounds(250, 100, 150, 30);
        t1.setFont(font);

        l3=new JLabel("Password");
        l3.setBounds(50,150, 200,30);
        l3.setBackground(Color.pink);
        l3.setOpaque(true);
        l3.setForeground(Color.blue);
        l3.setFont(font);

        JPasswordField t2=new JPasswordField();
        t2.setBounds(250, 150, 150, 30);
        t2.setFont(font);

        f.add(l1);
        f.add(l2);
        f.add(t1);
        f.add(l3);
        f.add(t2);


        f.setSize(600,400);
        f.setLayout(null);
        f.setVisible(true);
    }
}
```