Prepare a java application using jdbc-odbc bridge driver to create login form that includes username, password, login, cancel button and forgot password link.
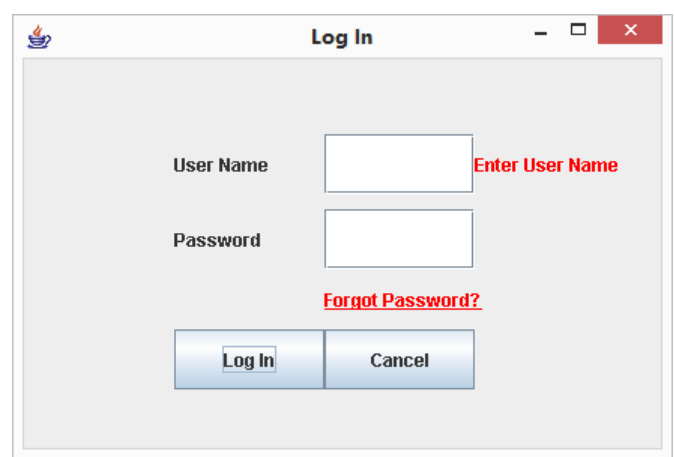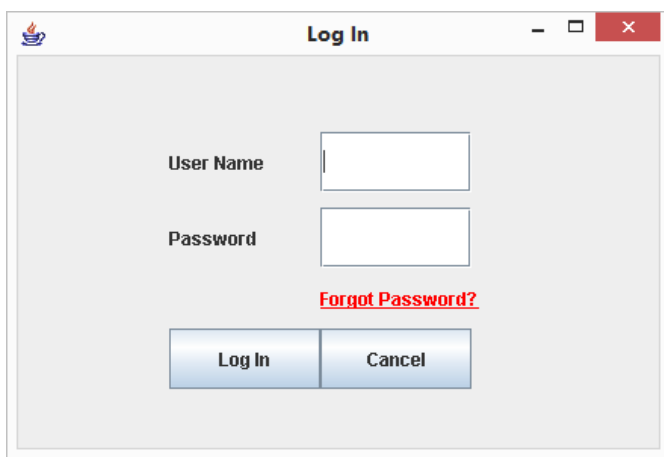
```java
1.    import java.awt.*;
2.    import java.awt.event.*;
3.    import javax.swing.*;
4.    import java.sql.Connection;
5.    import java.sql.DriverManager;
6.    import java.sql.ResultSet;
7.    import java.sql.Statement;
8.
9.    public class JdbcLogin extends JFrame implements ActionListener
10.   {
11.       Connection cn;
12.       Statement st;
13.       ResultSet rs;
14.       JTextField username, password;
15.       JLabel uname,pass,buname,bpass,lbllogin,fpass;
16.       JButton login,cancel;
17.       Container c;
18.
19.       JdbcLogin()
20.       {
21.          c = this.getContentPane();
22.          c.setLayout(null);
23.          lbllogin= new JLabel("");
24.          lbllogin.setBounds(100, 240, 200, 40);
25.          username= new JTextField();
26.          password=new JTextField();
27.          fpass = new JLabel("<html><u>Forgot Password?</u></html>");
28.          fpass.setForeground(Color.red);
29.          fpass.setBounds(200,140,200,40);
30.
31.
32.          uname = new JLabel("User Name ");
33.          pass = new JLabel("Password");
34.          buname = new JLabel("");
35.          bpass = new JLabel("");
36.
37.
38.          login = new JButton("Log In");
39.          cancel = new JButton("Cancel");
40.
41.          uname.setBounds(100,50,100,40);
42.          username.setBounds(200, 50, 100, 40);
```

```java
43.        buname.setBounds(300,50,100,40);
44.
45.        pass.setBounds(100,100,100,40);
46.        password.setBounds(200,100,100,40);
47.        bpass.setBounds(300,100,100,40);
48.
49.        login.setBounds(100, 180, 100, 40);
50.        cancel.setBounds(200, 180, 100, 40);
51.
52.      c.add(fpass);
53.      c.add(username);
54.      c.add(uname);
55.      c.add(password);
56.      c.add(pass);
57.      c.add(cancel);
58.      c.add(login);
59.      c.add(buname);
60.      c.add(bpass);
61.      c.add(lbllogin);
62.
63.      cancel.addActionListener(this);
64.      login.addActionListener(this);
65.
66.      try
67.      {
68.      String driver = "sun.jdbc.odbc.JdbcOdbcDriver";
69.
70.      Class.forName(driver);
71.      String url = "jdbc:odbc:users";
72.
73.      cn=DriverManager.getConnection(url);
74.      st=cn.createStatement();
75.      }
76.      catch(Exception e)
77.      {
78.        System.out.println("Something going wrong with Database");
79.      }
80.    }
81.    @Override
82.    public void actionPerformed(ActionEvent e)
83.    {
84.      String btn=e.getActionCommand();
85.      if(btn.equals("Log In"))
86.      {
87.        if(validate_input())
88.        {
```

```java
89.              try
90.              {
91.                  System.out.println("Hello");
92.                  String query1 = "select * from login where username='" + username.getText()
     + "'";
93.                  String query = "select * from login";
94.                  String u,p;
95.                  int i;
96.                  i=0;
97.                  rs = st.executeQuery(query);
98.                  while(rs.next())
99.                  {
100.                     u=rs.getString("username");
101.                     p=rs.getString("password");
102.                     if(u.equals(username.getText()) && p.equals(password.getText()))
103.                     {
104.                         System.out.println("Logged In ");
105.                         i=1;
106.                     }
107.                 }
108.                 if(i==1)
109.                 {
110.                     lbllogin.setText("Login Success..");
111.                     lbllogin.setForeground(Color.green);
112.                 }
113.                 else
114.                 {
115.                     lbllogin.setText("Please Enter Valied Credential..");
116.                     lbllogin.setForeground(Color.red);
117.                 }
118.             }
119.         catch(Exception lg)
120.         {
121.             System.out.println(lg.getMessage());
122.         }
123.     }
124. }
125. if(btn.equals("Cancel"))
126. {
127.     username.setText("");
128.     password.setText("");
129.     buname.setText("");
130.     bpass.setText("");
131.     lbllogin.setText("");
132. }
133. }
```

```
134.    public boolean validate_input()
135.    {
136.        String unamev, passv;
137.        unamev = username.getText();
138.        passv = password.getText();
139.        if(unamev.equals(""))
140.        {
141.        buname.setText("Enter User Name");
142.        buname.setForeground(Color.red);
143.        return false;
144.        }
145.        if(passv.equals(""))
146.        {
147.            bpass.setText("Enter Password");
148.            bpass.setForeground(Color.red);
149.            return false;
150.        }
151.        return true;
152.    }
153.    public static void main(String[] args) {
154.        JdbcLogin yf = new JdbcLogin();
155.        yf.setSize(500,400);
156.        yf.setTitle("Log In");
157.        yf.setVisible(true);
158.    }
159.
160.}
```

OUTPUT