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/*

        Topic:Servlet
        Question 19:Write a java program to save details in SQL.
*/
import javax.swing.*;
import java.awt.event.*;
import java.sql.*;
public class database extends JFrame implements ActionListener
{
//declaring GUI Controls
  JLabel lblname;
  JTextField txtname;
  JLabel lblsub;
  JTextField txtsub;
  JButton b1,b2;
  static JPanel p1;
//variables for connection, command and recordset
  Connection connect;
  PreparedStatement pstm;
  ResultSet rs;
  String sql;
database()
{
//initialising GUI controls

lblname=new JLabel("Please enter your name");
txtname = new JTextField(25);
lblsub=new JLabel("Please enter Subject");
txtsub = new JTextField(25);
b1= new JButton("Save");
b2= new JButton("Show");
p1= new JPanel();
getContentPane().add(p1);
setVisible(true);

setSize(300,300);
```

```java
//Adding controls on panel
p1.add(lblname);
p1.add(txtname);
p1.add(lblsub);
p1.add(txtsub);
p1.add(b1);
p1.add(b2);
//attach control with actionlistener
b1.addActionListener(this);
b2.addActionListener(this);
}
public static void main(String srgs[])
{
database d = new database();


}
public void actionPerformed(ActionEvent ae)
{
Object obj= ae.getSource();
if (obj == b1)
{
// Code to save data in database
  try {
//Establisshing Connection
Class.forName("sun.jdbc.odbc.JdbcOdbcDriver");
Connection connect =DriverManager.getConnection("jdbc:odbc:BCA");
pstm=connect.prepareStatement("insert into login values(?,?)");
          pstm.setString(1,txtname.getText());
          pstm.setString(2,txtsub.getText());
        //execute method to execute the query
            pstm.executeUpdate();
          pstm.close();
            connect.close();
     JOptionPane.showMessageDialog(null,"data inserted","Confirmation",
JOptionPane.INFORMATION_MESSAGE);
```

```java
        } catch (Exception e) {
        JOptionPane.showMessageDialog(null,"Failed to Connect to Database","Error
Connection", JOptionPane.ERROR_MESSAGE);
        System.exit(0);
        }
}
else
{
  try {
Class.forName("sun.jdbc.odbc.JdbcOdbcDriver");
Connection connect =DriverManager.getConnection("jdbc:odbc:BCA");
Statement s= connect.createStatement();
String str = "select * from login";
s.execute(str);
ResultSet rs = s.getResultSet();
while((rs!=null) && (rs.next()))
                {
                        System.out.println(rs.getString(1) + " : " + rs.getString(2));
                }
        JOptionPane.showMessageDialog(null,"Data displayd on console","Data From Database",
JOptionPane.INFORMATION_MESSAGE);
    }
  catch (Exception e) {
                        System.out.println(e);
        JOptionPane.showMessageDialog(null,"Failed to Connect to Database","Error
Connection", JOptionPane.ERROR_MESSAGE );
        System.exit(0);
    }
}
}
}
```

Output

Please enter Subject
english
Save   Show

Confirmation
ⓘ data inserted
OK