

```

/*
 * Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this
 license
 * Click nbfs://nbhost/SystemFileSystem/Templates/GUIForms/JFrame.java to edit this template
 */

/**
 *
 * @author vardh
 */
import java.sql.*;
import javax.swing.JOptionPane;
import javax.swing.table.DefaultTableModel;
import javax.swing.*;

public class BooksAvailable extends javax.swing.JFrame {

    /**
     * Creates new form BooksAvailable
     */
    public BooksAvailable() {
        initComponents();
        setDefaultCloseOperation(BooksAvailable.DISPOSE_ON_CLOSE);
    }

    /**
     * This method is called from within the constructor to initialize the form.
     * WARNING: Do NOT modify this code. The content of this method is always
     * regenerated by the Form Editor.
     */
    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">

```

```

private void initComponents() {

    jPanel1 = new javax.swing.JPanel();
    jScrollPane1 = new javax.swing.JScrollPane();
    jTable1 = new javax.swing.JTable();
    jButton1 = new javax.swing.JButton();
    jButton2 = new javax.swing.JButton();

    setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

    jPanel1.setBackground(new java.awt.Color(102, 0, 102));

    jTable1.setBackground(new java.awt.Color(188, 232, 229));
    jTable1.setFont(new java.awt.Font("Tahoma", 1, 10)); // NOI18N
    jTable1.setModel(new javax.swing.table.DefaultTableModel(
        new Object [][] {

        },
        new String [] {
            "book_id", "category", "name", "author", "copies"
        }
    ));
    jScrollPane1.setViewportView(jTable1);

    jButton1.setBackground(new java.awt.Color(204, 204, 255));
    jButton1.setFont(new java.awt.Font("Bell MT", 1, 14)); // NOI18N
    jButton1.setText("FETCH");
    jButton1.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            jButton1ActionPerformed(evt);
        }
    }

```

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});
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```
jButton2.setBackground(new java.awt.Color(204, 204, 255));  
jButton2.setFont(new java.awt.Font("Bell MT", 1, 14)); // NOI18N  
jButton2.setText("BACK");  
jButton2.addActionListener(new java.awt.event.ActionListener() {  
    public void actionPerformed(java.awt.event.ActionEvent evt) {  
        jButton2ActionPerformed(evt);  
    }  
});
```

```
javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);  
jPanel1.setLayout(jPanel1Layout);  
jPanel1Layout.setHorizontalGroup(  
    jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)  
        .addGroup(jPanel1Layout.createSequentialGroup()  
            .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)  
                .addGroup(jPanel1Layout.createSequentialGroup()  
                    .addGap(329, 329, 329)  
                    .addComponent(jButton1)  
                    .addGap(248, 248, 248)  
                    .addComponent(jButton2))  
                .addGroup(jPanel1Layout.createSequentialGroup()  
                    .addGap(95, 95, 95)  
                    .addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE, 834,  
javax.swing.GroupLayout.PREFERRED_SIZE)))  
            .addContainerGap(87, Short.MAX_VALUE))  
        );  
jPanel1Layout.setVerticalGroup(  
    jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)  
        .addGroup(jPanel1Layout.createSequentialGroup()  
            .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)  
                .addGroup(jPanel1Layout.createSequentialGroup()  
                    .addGap(329, 329, 329)  
                    .addComponent(jButton1)  
                    .addGap(248, 248, 248)  
                    .addComponent(jButton2))  
                .addGroup(jPanel1Layout.createSequentialGroup()  
                    .addGap(95, 95, 95)  
                    .addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE, 834,  
javax.swing.GroupLayout.PREFERRED_SIZE)))  
            .addContainerGap(87, Short.MAX_VALUE))  
        );
```

```

        .addContainerGap(102, Short.MAX_VALUE)

        .addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE, 317,
javax.swing.GroupLayout.PREFERRED_SIZE)

        .addGap(55, 55, 55)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

        .addComponent(jButton1)

        .addComponent(jButton2))

        .addGap(38, 38, 38)

);

javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
getContentPane().setLayout(layout);

layout.setHorizontalGroup(

    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

        .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

);

layout.setVerticalGroup(

    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

        .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

);

pack();

setLocationRelativeTo(null);
} // </editor-fold>

```

```

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {

    // TODO add your handling code here:

    DefaultTableModel model=(DefaultTableModel)jTable1.getModel();

    String url="jdbc:mysql://localhost/library";

```

```

String user="root";
String pwd="harsha2712";
String query="select * from books";
try
{
    Connection conn=DriverManager.getConnection(url,user,pwd);
    Statement stm=conn.createStatement();
    ResultSet rs=stm.executeQuery(query);
    while(rs.next())
    {
        String book_id =rs.getString("book_id");
        String category =rs.getString("category");
        String name =rs.getString("name");
        String author =rs.getString("author");
        int copies=rs.getInt("copies");
        model.addRow(new Object[] {book_id,category,name,author,copies});
    }
    rs.close();
    stm.close();
}
catch(Exception e){
    JOptionPane.showMessageDialog(this,e.getMessage());
}

}

private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    this.dispose();
}

```

```

/**
 * @param args the command line arguments
 */
public static void main(String args[]) {
    /* Set the Nimbus look and feel */
    //<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional) ">
    /* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and feel.
     * For details see http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
     */
    try {
        for (javax.swing.UIManager.LookAndFeelInfo info :
            javax.swing.UIManager.getInstalledLookAndFeels()) {
            if ("Nimbus".equals(info.getName())) {
                javax.swing.UIManager.setLookAndFeel(info.getClassName());
                break;
            }
        }
    } catch (ClassNotFoundException ex) {

        java.util.logging.Logger.getLogger(BooksAvailable.class.getName()).log(java.util.logging.Level.SEVERE
        , null, ex);

    } catch (InstantiationException ex) {

        java.util.logging.Logger.getLogger(BooksAvailable.class.getName()).log(java.util.logging.Level.SEVERE
        , null, ex);

    } catch (IllegalAccessException ex) {

        java.util.logging.Logger.getLogger(BooksAvailable.class.getName()).log(java.util.logging.Level.SEVERE
        , null, ex);

    } catch (javax.swing.UnsupportedLookAndFeelException ex) {

        java.util.logging.Logger.getLogger(BooksAvailable.class.getName()).log(java.util.logging.Level.SEVERE
        , null, ex);

    }
}

```

```
//</editor-fold>
```

```
/* Create and display the form */
```

```
java.awt.EventQueue.invokeLater(new Runnable() {  
    public void run() {  
        new BooksAvailable().setVisible(true);  
    }  
});  
}
```

```
// Variables declaration - do not modify
```

```
private javax.swing.JButton jButton1;  
private javax.swing.JButton jButton2;  
private javax.swing.JPanel jPanel1;  
private javax.swing.JScrollPane jScrollPane1;  
private javax.swing.JTable jTable1;  
// End of variables declaration  
}
```