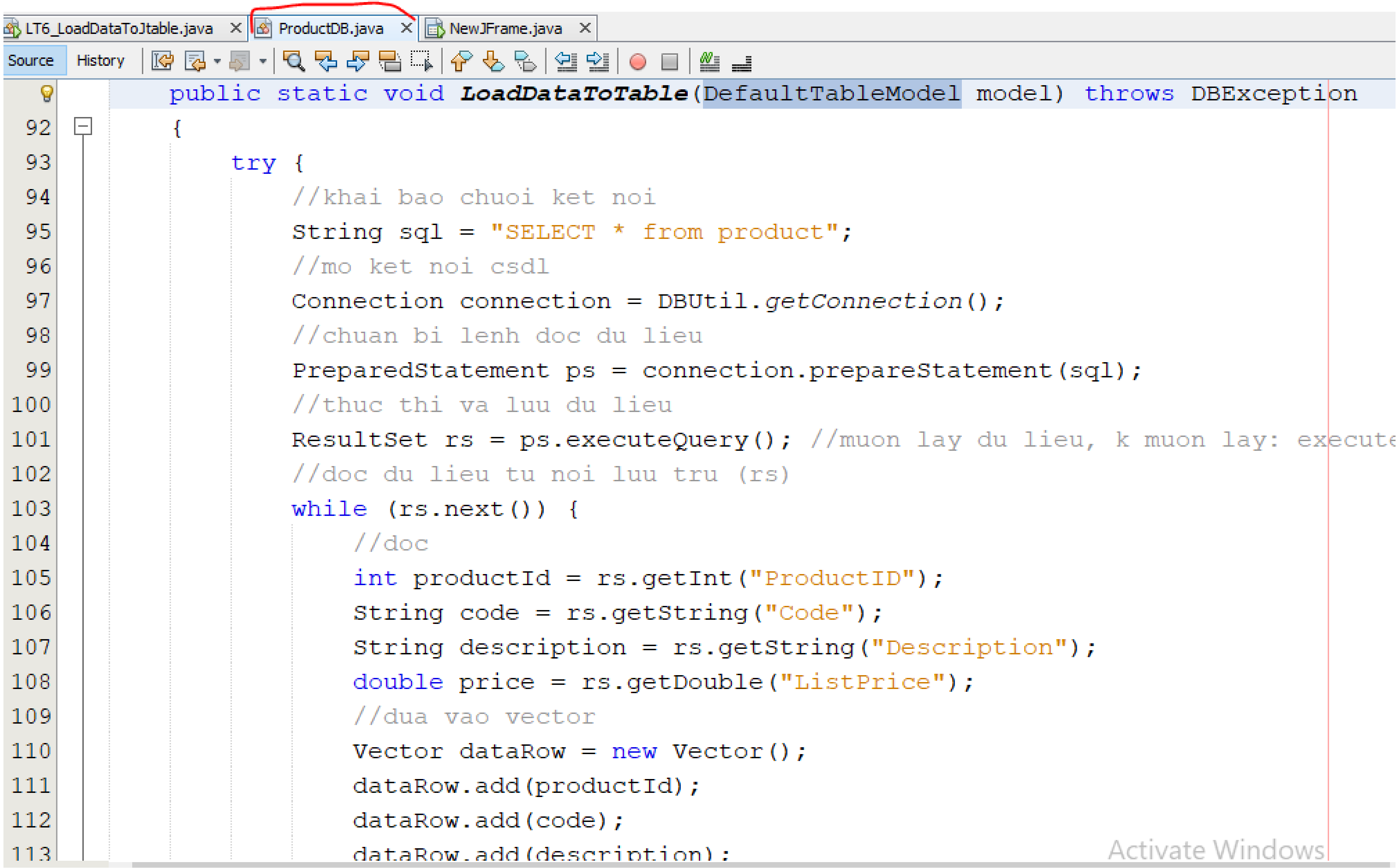
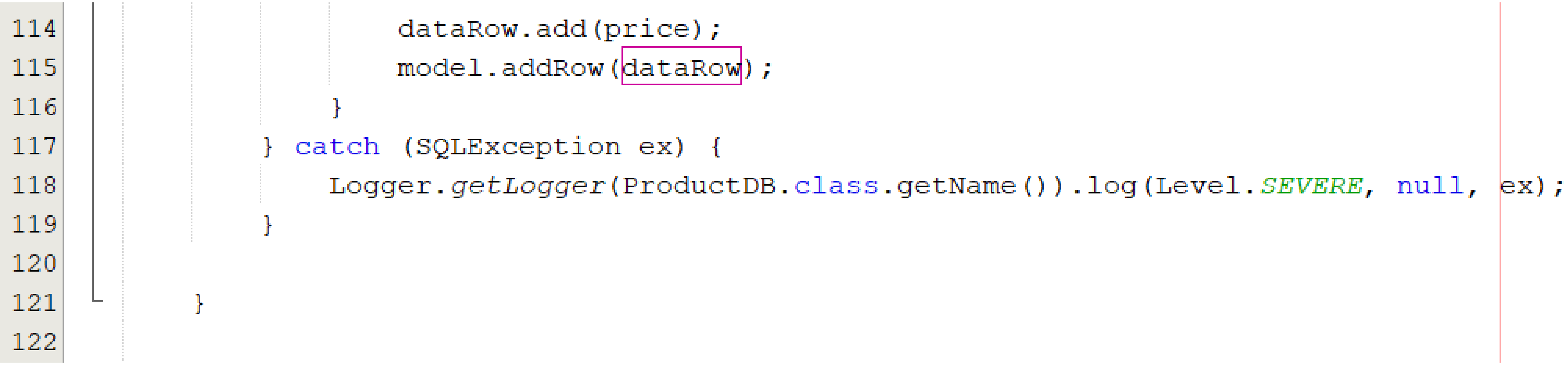
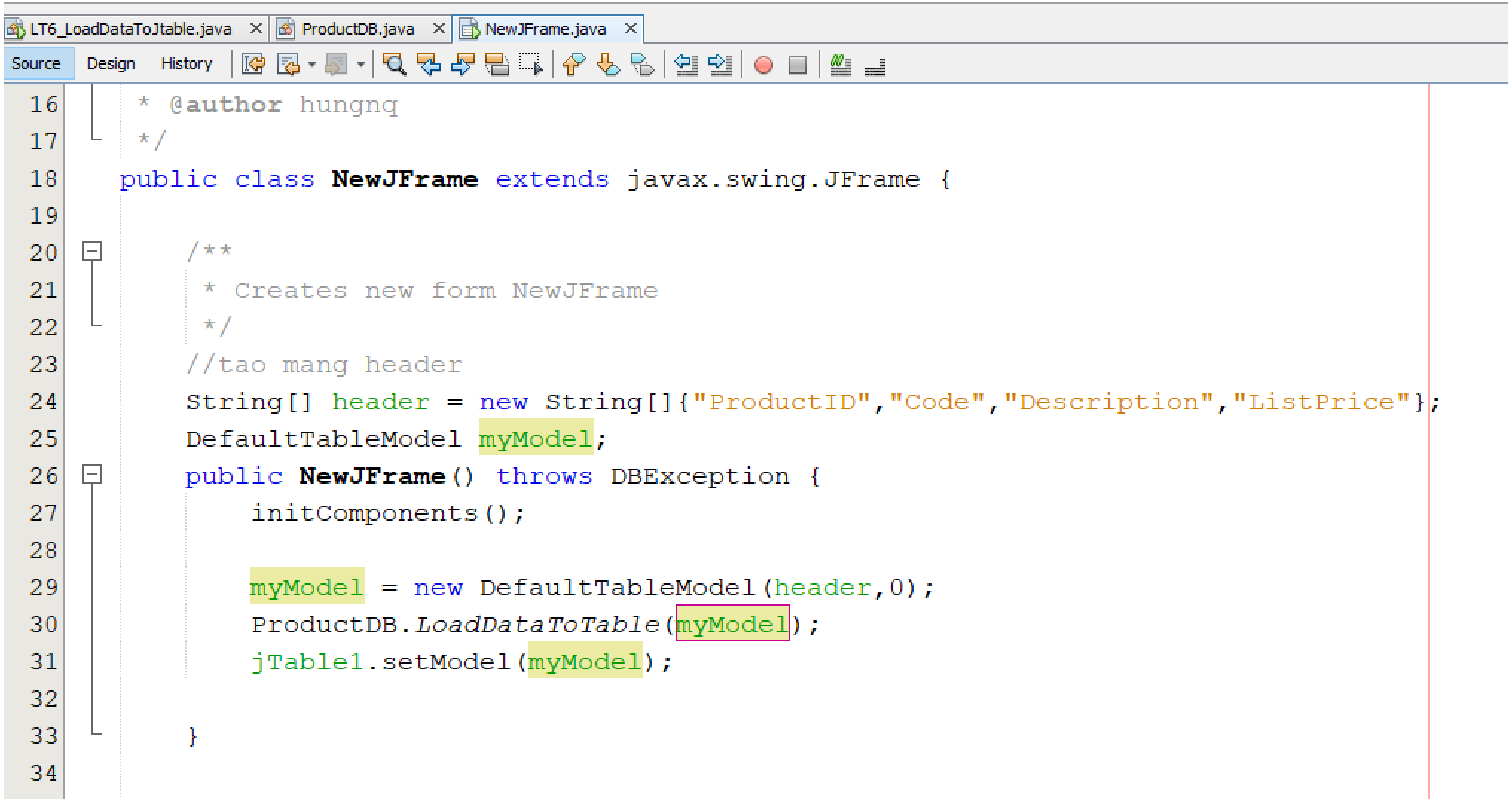
LoadDataToJTable



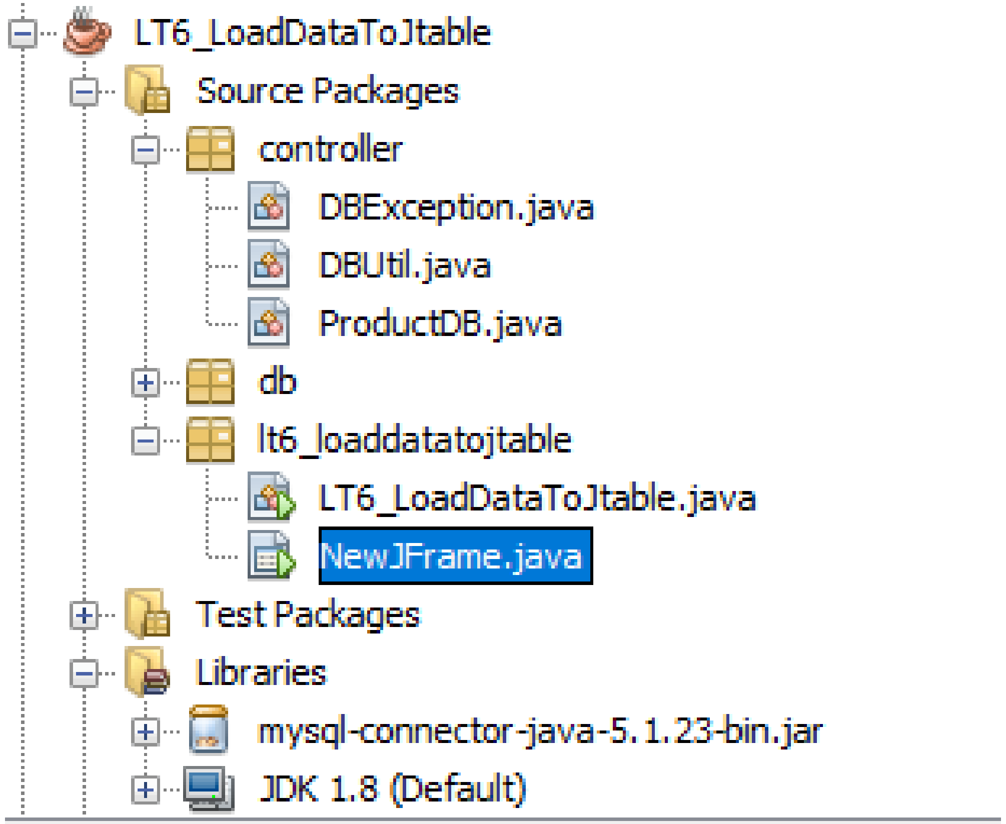
```
    public static void LoadDataToTable(DefaultTableModel model) throws DBException
    {
        try {
            //khai bao chuoi ket noi
            String sql = "SELECT * from product";
            //mo ket noi csdl
            Connection connection = DBUtil.getConnection();
            //chuan bi lenh doc du lieu
            PreparedStatement ps = connection.prepareStatement(sql);
            //thuc thi va luu du lieu
            ResultSet rs = ps.executeQuery(); //muon lay du lieu, k muon lay: execute
            //doc du lieu tu noi luu tru (rs)
            while (rs.next()) {
                //doc
                int productId = rs.getInt("ProductID");
                String code = rs.getString("Code");
                String description = rs.getString("Description");
                double price = rs.getDouble("ListPrice");
                //dua vao vector
                Vector dataRow = new Vector();
                dataRow.add(productId);
                dataRow.add(code);
                dataRow.add(description);
```



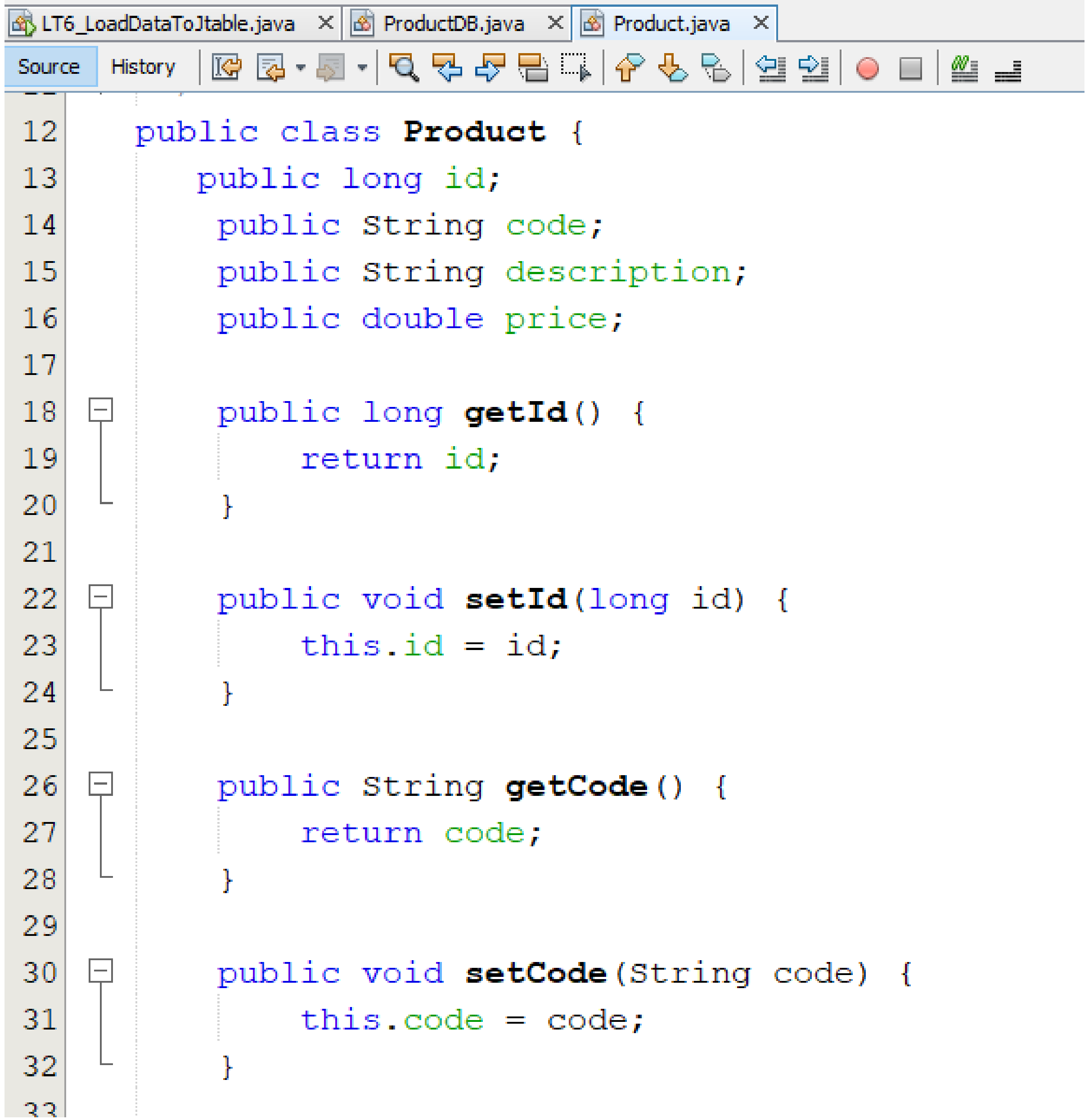
```
                dataRow.add(price);
                model.addRow(dataRow);
            }
        } catch (SQLException ex) {
            Logger.getLogger(ProductDB.class.getName()).log(Level.SEVERE, null, ex);
        }

    }

```



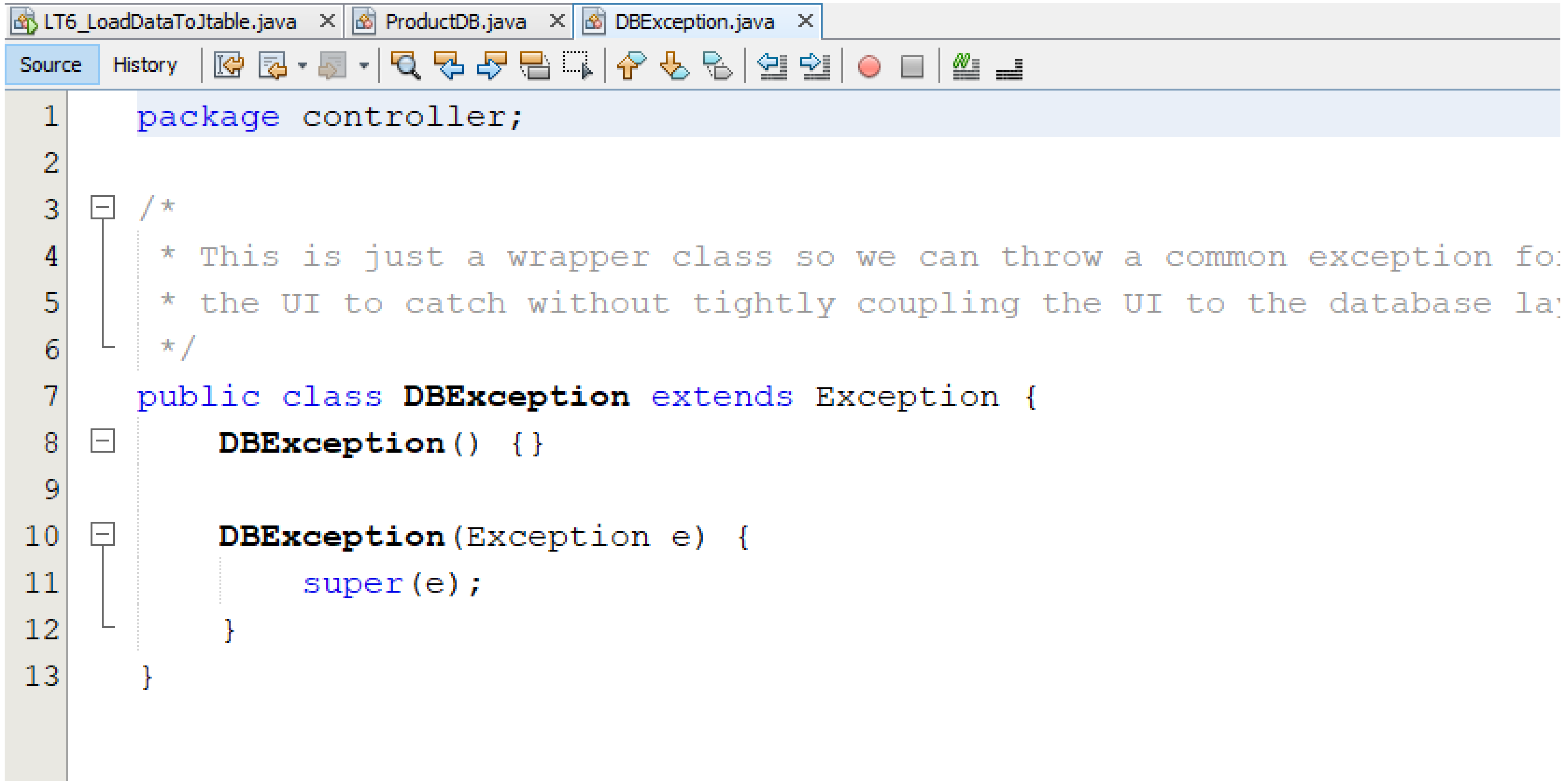
```java
 * @author hungnq
 */
public class NewJFrame extends javax.swing.JFrame {

    /**
     * Creates new form NewJFrame
     */
    //tao mang header
    String[] header = new String[]{"ProductID","Code","Description","ListPrice"};
    DefaultTableModel myModel;
    public NewJFrame() throws DBException {
        initComponents();

        myModel = new DefaultTableModel(header,0);
        ProductDB.LoadDataToTable(myModel);
        jTable1.setModel(myModel);

    }

```



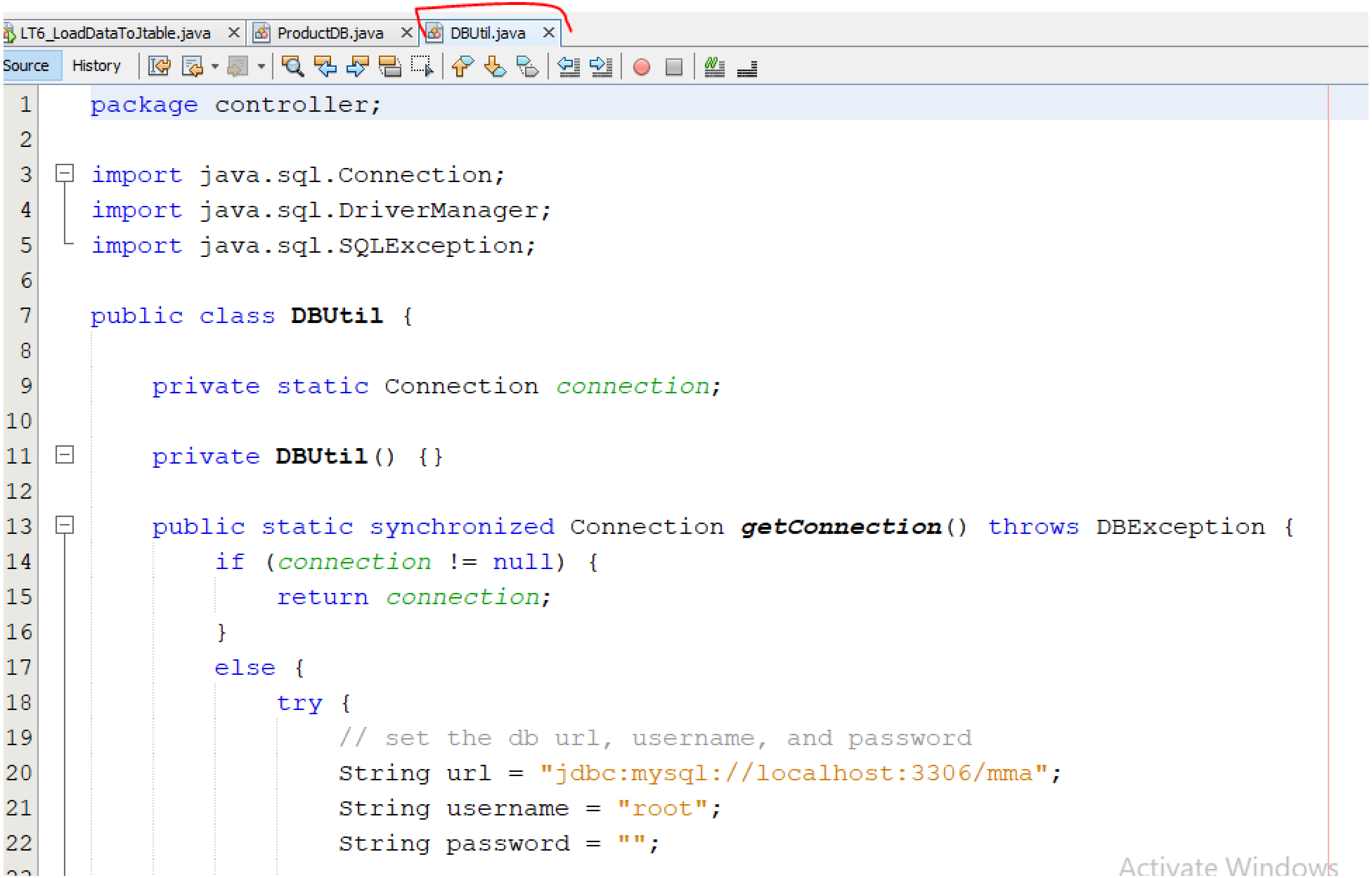
```
LT6_LoadDataToJtable
    Source Packages
        controller
            DBException.java
            DBUtil.java
            ProductDB.java
        db
        lt6_loaddatatojtable
            LT6_LoadDataToJtable.java
            NewJFrame.java
    Test Packages
    Libraries
        mysql-connector-java-5.1.23-bin.jar
        JDK 1.8 (Default)
```



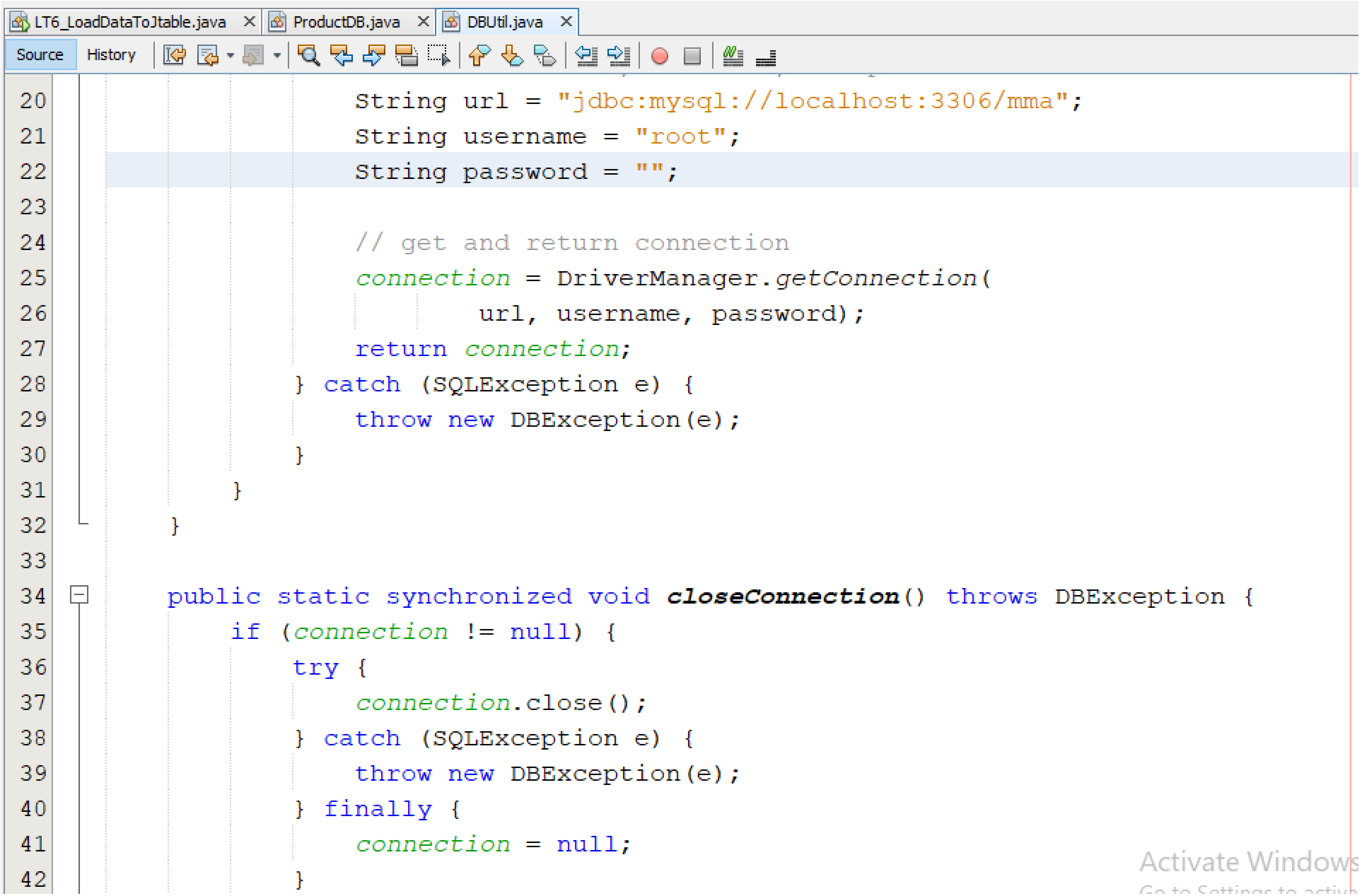
```
public class Product {
   public long id;
    public String code;
    public String description;
    public double price;

    public long getId() {
        return id;
    }

    public void setId(long id) {
        this.id = id;
    }

    public String getCode() {
        return code;
    }

    public void setCode(String code) {
        this.code = code;
    }
```



```java
package controller;

/*
 * This is just a wrapper class so we can throw a common exception fo
 * the UI to catch without tightly coupling the UI to the database la
 */
public class DBException extends Exception {
    DBException() {}

    DBException(Exception e) {
        super(e);
    }
}
```

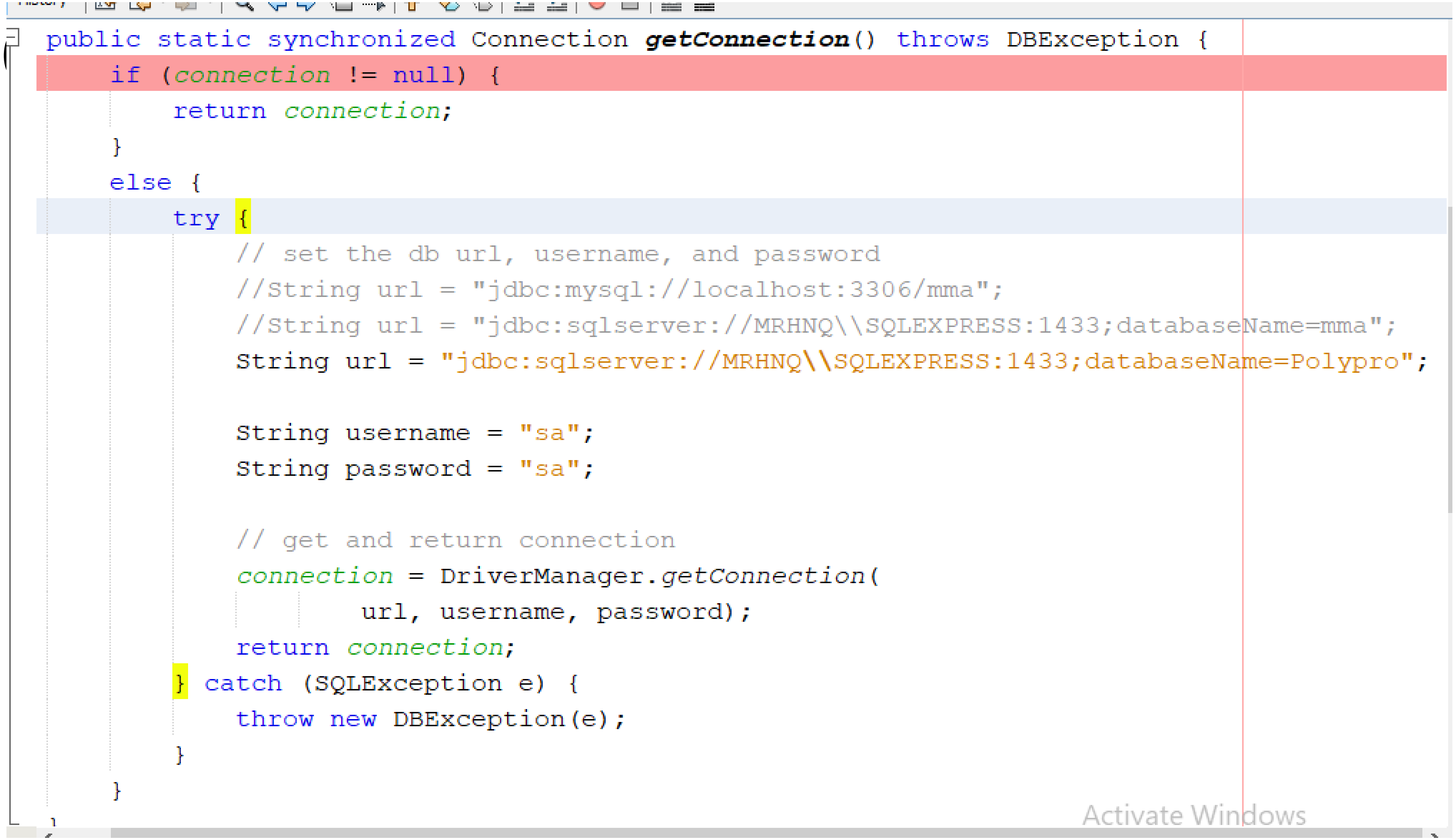


```java
package controller;

import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.SQLException;

public class DBUtil {

    private static Connection connection;

    private DBUtil() {}

    public static synchronized Connection getConnection() throws DBException {
        if (connection != null) {
            return connection;
        }
        else {
            try {
                // set the db url, username, and password
                String url = "jdbc:mysql://localhost:3306/mma";
                String username = "root";
                String password = "";
```

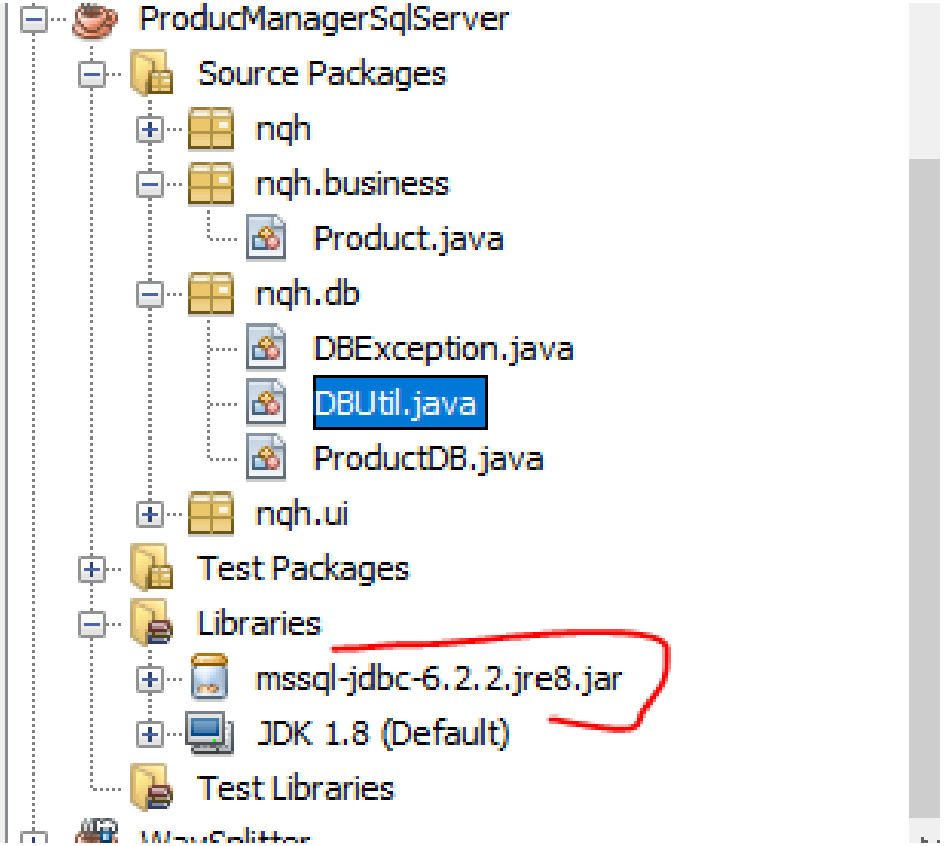


```
                String url = "jdbc:mysql://localhost:3306/mma";
                String username = "root";
                String password = "";

                // get and return connection
                connection = DriverManager.getConnection(
                        url, username, password);
                return connection;
            } catch (SQLException e) {
                throw new DBException(e);
            }
        }
    }

    public static synchronized void closeConnection() throws DBException {
        if (connection != null) {
            try {
                connection.close();
            } catch (SQLException e) {
                throw new DBException(e);
            } finally {
                connection = null;
            }
```

S



```
public static synchronized Connection getConnection() throws DBException {
    if (connection != null) {
        return connection;
    }
    else {
        try {
            // set the db url, username, and password
            //String url = "jdbc:mysql://localhost:3306/mma";
            //String url = "jdbc:sqlserver://MRHNQ\\SQLEXPRESS:1433;databaseName=mma";
            String url = "jdbc:sqlserver://MRHNQ\\SQLEXPRESS:1433;databaseName=Polypro";

            String username = "sa";
            String password = "sa";

            // get and return connection
            connection = DriverManager.getConnection(
                    url, username, password);
            return connection;
        } catch (SQLException e) {
            throw new DBException(e);
        }
    }
}
```



```
ProducManagerSqlServer
    Source Packages
        nqh
        nqh.business
            Product.java
        nqh.db
            DBException.java
            DBUtil.java
            ProductDB.java
        nqh.ui
    Test Packages
    Libraries
        mssql-jdbc-6.2.2.jre8.jar
        JDK 1.8 (Default)
    Test Libraries
WavSplitter
```