6.Demonstrate Insertion, Updation, and Deletion of Database Records using JDBC.

Index.html:

```
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>JDBC Insert, Update, Delete</title>
</head>
<body>
<a href="list">Product Info</a><br>

</body>
</html>
```

Servlet code

```
package Abc;

import java.io.IOException;
import java.io.InputStream;
import java.io.PrintWriter;
import java.math.BigDecimal;
import java.sql.CallableStatement;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.sql.Statement;
import java.util.Properties;

import javax.servlet.ServletException;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;

import com.DBconnection;

@WebServlet("/list")
```

```java
public class ProductDetails extends HttpServlet {
    private static final long serialVersionUID = 1L;

    protected void doGet(HttpServletRequest request, HttpServletResponse response)
            throws ServletException, IOException {

        try {
            PrintWriter out = response.getWriter();
            out.println("<html><body>");

            InputStream in = getServletContext().getResourceAsStream("/WEB-INF/config.properties");
            Properties props = new Properties();
            props.load(in);

            DBConnection conn = new DBConnection(props.getProperty("url"), props.getProperty("userid"),
                    props.getProperty("password"));
            Statement stmt = conn.getConnection().createStatement(ResultSet.TYPE_SCROLL_INSENSITIVE,
                    ResultSet.CONCUR_READ_ONLY);
            stmt.executeUpdate(
                    "insert into eproduct (name, price, date_added) values ('New Product', 17800.00, now())");
            out.println("Executed an insert operation<br>");

            stmt.executeUpdate("update eproduct set price=2000 where name = 'New Product'");
            out.println("Executed an update operation<br>");

            stmt.executeUpdate("delete from eproduct where name = 'New Product'");
            out.println("Executed a delete operation<br>");

            stmt.close();

            conn.closeConnection();
            out.println("</body></html>");
```

```java
                conn.closeConnection();

        } catch (ClassNotFoundException e) {
            e.printStackTrace();
        } catch (SQLException e) {
            e.printStackTrace();
        }
    }

}
```

Database connection

```java
package Abc;

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

public class DBconnection {

    private Connection connection;

    public DBconnection(String dbURL, String user, String pwd) throws
ClassNotFoundException, SQLException {

        Class.forName("com.mysql.jdbc.Driver");
        this.connection = DriverManager.getConnection(dbURL, user, pwd);
    }

    public Connection getConnection() {
        return this.connection;
    }

    public void closeConnection() throws SQLException {
        if (this.connection != null)
            this.connection.close();
    }
}
```
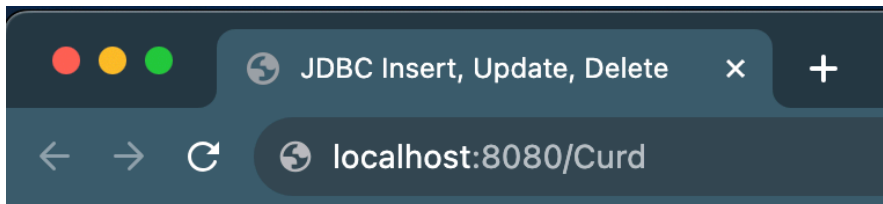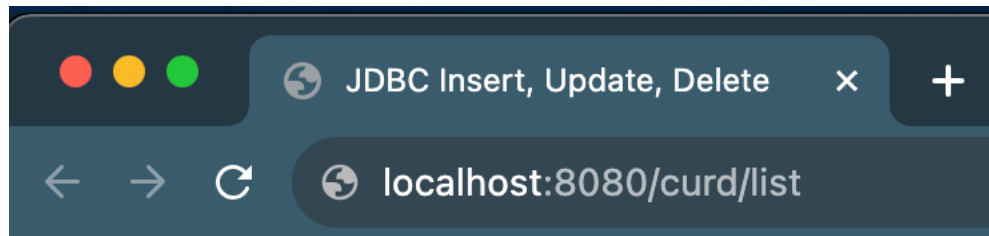
localhost:8080/Curd

[Product Info](localhost:8080/curd/list)

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localhost:8080/curd/list

executed insert operation

executed update operation

executed delete operation