**Practice project assisted**

**Create, Select, and Drop a Database**

Index.html

<!DOCTYPE html>

<html>

<head>

<meta charset=*"ISO-8859-1"*>

<title>Insert title here</title>

</head>

<body>

<a href=*"dboperations"*>Database Operations</a>

</body>

</html>

DBConnection.java

**package** com.ecommerce;

**import** java.sql.Connection;

**import** java.sql.DriverManager;

**import** java.sql.SQLException;

**public** **class** DBConnection {

**static** Connection *con*=**null**;

**public** **static** Connection getDBConnection() {

**try** {

Class.*forName*("com.mysql.cj.jdbc.Driver");

*con* = DriverManager.*getConnection*("jdbc:mysql://localhost:3306/Work", "Work","Simplilearn@123");

}**catch**(Exception e) {

e.printStackTrace();

}

**return** *con*;

}

**public** **void** closeConnection() **throws** SQLException {

// **TODO** Auto-generated method stub

**if** (DBConnection.*con* != **null**)

DBConnection.*con*.close();

}

}

DBOperations.java

**import** java.io.IOException;

**import** java.io.PrintWriter;

**import** java.sql.SQLException;

**import** java.sql.Statement;

**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.ecommerce.DBConnection;

@WebServlet("/DBOperations")

**public** **class** DBOperations **extends** HttpServlet {

**private** **static** **final** **long** ***serialVersionUID*** = 1L;

**public** DBOperations() {

**super**();

// **TODO** Auto-generated constructor stub

}

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

// **TODO** Auto-generated method stub

**try** {

PrintWriter out = response.getWriter();

out.println("<html><body>");

DBConnection conn = **new** DBConnection();

Statement stmt = DBConnection.*getDBConnection*().createStatement();

stmt.executeUpdate("create database mydatabase");

out.println("Created database: mydatabase<br>");

stmt.executeUpdate("use mydatabase");

out.println("Selected database: mydatabase<br>");

stmt.executeUpdate("drop database mydatabase");

stmt.close();

out.println("Dropped database: mydatabase<br>");

conn.closeConnection();

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

conn.closeConnection();

} **catch** (SQLException e) {

e.printStackTrace();

}

}

}

Web.xml

<?xml version=*"1.0"* encoding=*"UTF-8"*?>

<web-app xmlns:xsi=*"http://www.w3.org/2001/XMLSchema-instance"* xmlns=*"http://Java.sun.com/xml/ns/javaee"* xsi:schemaLocation=*"http://java.sun.com/xml/ns/javaee http://java.sun.com/xml/ns/javaee/web-app\_3\_0.xsd"* id=*"WebApp\_ID"* version=*"3.0"*>

<display-name>CreateSelectDropDB</display-name>

<welcome-file-list>

<welcome-file>index.html</welcome-file>

<welcome-file>index.jsp</welcome-file>

<welcome-file>index.htm</welcome-file>

<welcome-file>default.html</welcome-file>

<welcome-file>default.jsp</welcome-file>

<welcome-file>default.htm</welcome-file>

</welcome-file-list>

<servlet>

<servlet-name>DBOperations</servlet-name>

<servlet-class>DBOperations</servlet-class>

</servlet>

<servlet-mapping>

<servlet-name>DBOperations</servlet-name>

<url-pattern>/dboperations</url-pattern>

</servlet-mapping>

</web-app>