**Practice project assisted**

Creating an HTML page index.html

<!DOCTYPE html>

<html>

<head>

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

<title>Insert title here</title>

</head>

<body>

<a href=*"init"*>Initialize JDBC</a><br>

</body>

</html>

Creating a DBConnection class to initiate a JDBC connection in code

**package** com.ecommerce;

**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();

}

}

Creating a config.properties file to store JDBC credentials

url=jdbc:mysql://localhost:3306/Work

userid=Work

password=Simplilearn@123

Creating a DemoJDBC servlet

**import** java.io.IOException;

**import** java.io.InputStream;

**import** java.io.PrintWriter;

**import** java.sql.SQLException;

**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.ecommerce.DBConnection;

/\*\*

\* Servlet implementation class DemoJDBC

\*/

@WebServlet("/DemoJDBC")

**public** **class** DemoJDBC **extends** HttpServlet {

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

/\*\*

\* **@see** HttpServlet#HttpServlet()

\*/

**public** DemoJDBC() {

**super**();

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

}

/\*\*

\* **@see** HttpServlet#doGet(HttpServletRequest request, HttpServletResponse response)

\*/

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

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

//response.getWriter().append("Served at: ").append(request.getContextPath());

**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"));

out.println("DB Connection initialized.<br>");

conn.closeConnection();

out.println("DB Connection closed.<br>");

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

conn.closeConnection();

} **catch** (ClassNotFoundException e) {

e.printStackTrace();

} **catch** (SQLException e) {

e.printStackTrace();

}

}

}

Configuring 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>JDBCSetup</display-name>

<welcome-file-list>

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

</welcome-file-list>

<servlet>

<servlet-name>DemoJDBC</servlet-name>

<servlet-class>DemoJDBC</servlet-class>

</servlet>

<servlet-mapping>

<servlet-name>DemoJDBC</servlet-name>

<url-pattern>/init</url-pattern>

</servlet-mapping>

</web-app>