**Phase 2:Practice Project: Assissted Practice: 2**

**2. Demonstrate a project to set up JDBC environment.(Unassisted Practice).**

**Source Code:**

**Index1.html:**

<!DOCTYPEhtml>

<html>

<head>

<metacharset=*"ISO-8859-1"*>

<title>Insert title here</title>

</head>

<body>

<h1> JDBC Connections</h1>

<br>

<ahref=*"connect"*>Connect With JDBC</a>

</body>

</html>

**DBConfig:**

**import**java.sql.Connection;

**import**java.sql.DriverManager;

**import**java.sql.SQLException;

**import**java.util.Properties;

**publicclass**DBConfig {

**publicstatic** ConnectiongetConnection(Properties props) {

Connection connection=**null**;

String driver="com.mysql.cj.jdbc.Driver";

String url="jdbc:mysql://localhost:3306/products";

String username="student";

String password="student";

**try** {

Class.*forName*(driver);

connection=DriverManager.*getConnection*(url,username,password);

} **catch** (ClassNotFoundExceptione) {

e.printStackTrace();

} **catch** (SQLExceptione) {

e.printStackTrace();

}

**return**connection;

}

}

**DBConnect:**

**import**java.io.IOException;

**import**java.io.InputStream;

**import**java.io.PrintWriter;

**import**java.sql.Connection;

**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;

@WebServlet("/connect")

**publicclass**DBConnect**extends**HttpServlet{

@Override

**protectedvoid**doGet(HttpServletRequestreq, HttpServletResponseresp) **throws**ServletException, IOException

PrintWriterout=resp.getWriter();

Properties props=**new**Properties();

InputStreamin=getServletContext().getResourceAsStream("/WEB-INF/application.properties");

props.load(in);

Connection conn=DBConfig.*getConnection*(props);

**if**(conn!=**null**)

out.print("Connection is established");

**else**

out.print("Error While Connecting");

}

@Override

**protectedvoid**doPost(HttpServletRequestreq, HttpServletResponseresp) **throws**ServletException, IOException {

doGet(req, resp);

}

}

**application.properties:**

driver=com.mysql.cj.jdbc.Driver

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

username=student

password=student

**Output:**



