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

**3. Demonstrate Connection, Statement, and ResultSet in JDBC.**

**Source Code:**

**Index2.html:**

<!DOCTYPEhtml>

<html>

<head>

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

<title>Insert title here</title>

</head>

<body>

<h1>JDBC Fetch Data From Database</h1>

<br>

<ahref=*"fetch"*>Fetch Data</a>

</body>

</html>

**DBConfig:**

**package**com.fetch;

**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/ecommerce";

String username="student";

String password="student";

**try** {

//load driver

Class.*forName*(driver);

//get connection and store it con object

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

} **catch** (ClassNotFoundExceptione) {

e.printStackTrace();

} **catch** (SQLExceptione) {

e.printStackTrace();

}

**return**connection;

}

}

**FetchDataServlet:**

**package**com.fetch;

**import**java.io.IOException;

**import**java.io.InputStream;

**import**java.io.PrintWriter;

**import**java.sql.Connection;

**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;

@WebServlet("/fetch")

**publicclass**FetchDataServlet**extends**HttpServlet {

@Override

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

PrintWriterout = resp.getWriter();

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

resp.setContentType("text/html");

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

props.load(in);

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

**if** (con != **null**) {

out.println("Connection is Established");

out.println("<br>");

**try** {

Statement stmt = con.createStatement();

ResultSetrs = stmt.executeQuery("select \* from eproduct");

**while** (rs.next()) {

out.println(+rs.getInt(1) + " ," + rs.getString(2) + ", " + rs.getBigDecimal(3) + ", "

+ rs.getTimestamp(4) + "<br>");

}

} **catch** (SQLExceptione) {

e.printStackTrace();

}

} **else** {

out.print("Error While Connecting Connections");

}

}

@Override

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

doGet(req, resp);

}

}

**dbinfo.properties:**

drivername=com.mysql.cj.jdbc.Driver

connectionString=jdbc:mysql://localhost:3306/ecommerce

username=student

password=student