Name: - Khushal Patil

Roll No. 64 Class:- TE-2

1. **Index.html**

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Ebookshop</title>

</head>

<body>

    <h2>Welcome to Ebookshop</h2>

    <p>Click below to view the books:</p>

    <a href="books">View Books</a>

</body>

</html>

1. **Ebookshop.java**

package com.example;

import java.io.IOException;

import java.io.PrintWriter;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.ResultSet;

import java.sql.SQLException;

import java.sql.Statement;

import javax.servlet.annotation.WebServlet;

import javax.servlet.ServletException;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

@WebServlet("/EbookshopServlet")

public class EbookshopServlet extends HttpServlet {

    private static final long serialVersionUID = 1L;

    public EbookshopServlet() {}

    protected void doGet(HttpServletRequest request, HttpServletResponse response)

            throws ServletException, IOException {

        response.setContentType("text/html");

        PrintWriter out = response.getWriter();

        String url = "jdbc:mysql://localhost:3306/Assign5";

        String user = "root";

        String password = "root@123";

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

        out.println("<h2>Ebookshop Books</h2>");

        out.println("<table border='1'><tr><th>ID</th><th>Title</th><th>Author</th><th>Price</th><th>Qty</th></tr>");

        try {

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

            Connection conn = DriverManager.getConnection(url, user, password);

            Statement stmt = conn.createStatement();

            String selectSql = "SELECT \* FROM ebookshop";

            ResultSet rs = stmt.executeQuery(selectSql);

            while (rs.next()) {

                out.println("<tr><td>" + rs.getInt("book\_id") + "</td>");

                out.println("<td>" + rs.getString("book\_title") + "</td>");

                out.println("<td>" + rs.getString("book\_author") + "</td>");

                out.println("<td>" + rs.getDouble("book\_price") + "</td>");

                out.println("<td>" + rs.getInt("quantity") + "</td></tr>");

            }

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

            rs.close();

            stmt.close();

            conn.close();

        } catch (ClassNotFoundException e) {

            out.println("<p>Error: MySQL JDBC Driver not found!</p>");

            e.printStackTrace();

        } catch (SQLException e) {

            out.println("<p>Error: Database connection failed!</p>");

            e.printStackTrace();

        }

    }

}

1. **Web.xml**

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

<web-app version="3.1" xmlns=<http://xmlns.jcp.org/xml/ns/javaee> xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="http://xmlns.jcp.org/xml/ns/javaee http://xmlns.jcp.org/xml/ns/javaee/web-app\_3\_1.xsd">

    <servlet>

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

        <servlet-class>com.example.EbookshopServlet</servlet-class>

    </servlet>

    <servlet-mapping>

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

        <url-pattern>/books</url-pattern>

    </servlet-mapping>

    <session-config>

        <session-timeout>

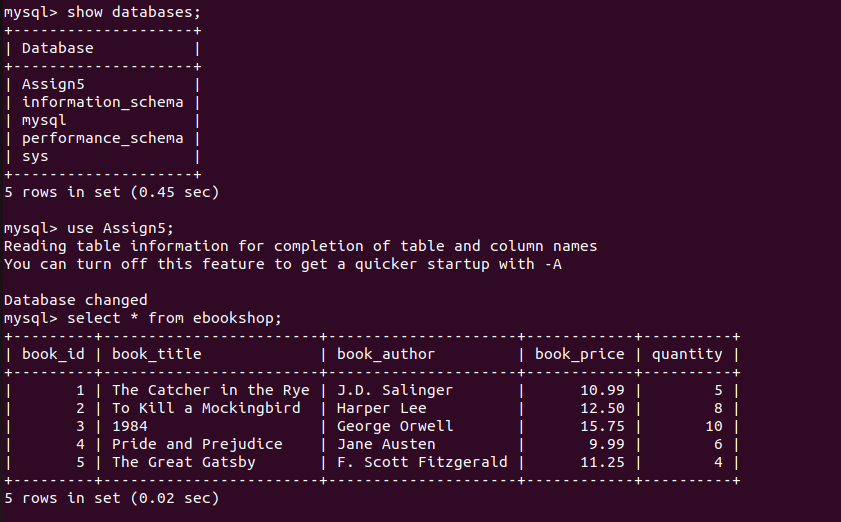
            30

        </session-timeout>

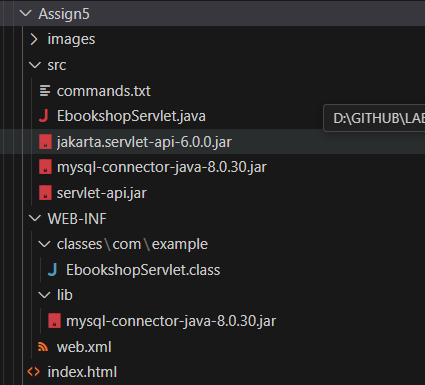
    </session-config>

</web-app>

1. MySQL Table



1. **Directory Structure**



1. **Output**

