

## 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>
```

## 2. 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();
}
}
}

```

### 3. 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>

```

#### 4. MySQL Table

```

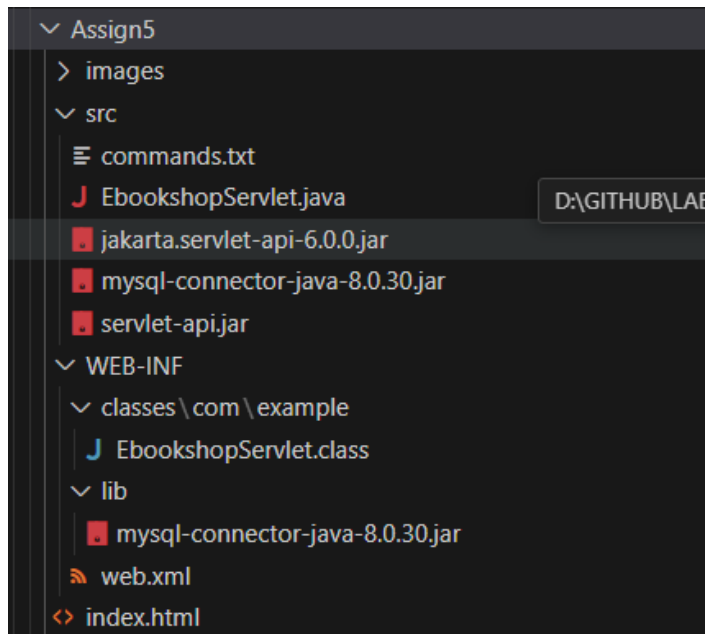
mysql> show databases;
+-----+
| Database |
+-----+
| Assign5  |
| information_schema |
| mysql    |
| performance_schema |
| sys      |
+-----+
5 rows in set (0.45 sec)

mysql> use Assign5;
Reading table information for completion of table and column names
You can turn off this feature to get a quicker startup with -A

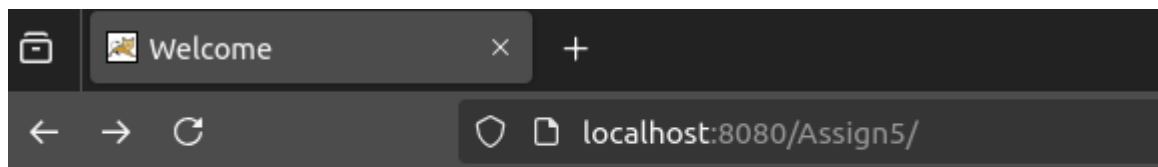
Database changed
mysql> select * from ebookshop;
+-----+-----+-----+-----+-----+
| book_id | book_title          | book_author      | book_price | quantity |
+-----+-----+-----+-----+-----+
| 1       | The Catcher in the Rye | J.D. Salinger    | 10.99      | 5         |
| 2       | To Kill a Mockingbird | Harper Lee       | 12.50      | 8         |
| 3       | 1984                 | George Orwell    | 15.75      | 10        |
| 4       | Pride and Prejudice   | Jane Austen      | 9.99       | 6         |
| 5       | The Great Gatsby      | F. Scott Fitzgerald | 11.25      | 4         |
+-----+-----+-----+-----+-----+
5 rows in set (0.02 sec)

```

#### 5. Directory Structure



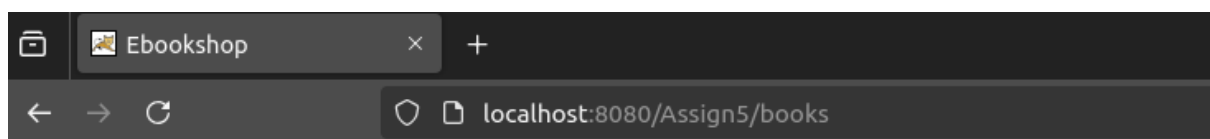
## 6. Output



# Welcome to Ebookshop

Click below to view the books:

[View Books](#)



## Ebookshop Books

ID	Title	Author	Price	Qty
1	The Catcher in the Rye	J.D. Salinger	10.99	5
2	To Kill a Mockingbird	Harper Lee	12.5	8
3	1984	George Orwell	15.75	10
4	Pride and Prejudice	Jane Austen	9.99	6
5	The Great Gatsby	F. Scott Fitzgerald	11.25	4