servlet.java

```java
import java.io.IOException;
import java.io.PrintWriter;
import jakarta.servlet.ServletException;
import jakarta.servlet.http.HttpServlet;
import jakarta.servlet.http.HttpServletRequest;
import jakarta.servlet.http.HttpServletResponse;
import java.sql.*;

public class servlet extends HttpServlet {

    Connection con = null;
    Statement stmt = null;
    ResultSet rs = null;

    protected void processRequest(HttpServletRequest request, HttpServletResponse response)
            throws ServletException, IOException {
        response.setContentType("text/html;charset=UTF-8");
        try ( PrintWriter out = response.getWriter()) {

            Class.forName("com.mysql.jdbc.Driver");
            con = (Connection)DriverManager.getConnection("jdbc:mysql://localhost/wt","root","tiger");
            stmt = con.createStatement();
            rs = stmt.executeQuery("select * from ebookshop;");

            out.println("<html>");
            out.println("<head><title>Books</title></head>");
            out.println("<body>");
            out.println("<h1>Books</h1>");
            out.println("<table border='1'>");

out.println("<tr><th>Id</th><th>Title</th><th>Author</th><th>Price</th><th>Quantity</th></tr>");

            while (rs.next())
            {
                String id = rs.getString("book_id");
                String title = rs.getString("book_title");
                String author = rs.getString("book_author");
                String price = String.valueOf(rs.getInt("book_price"));
                String quantity = String.valueOf(rs.getInt("quantity"));

                out.println("<tr><td>" + id + "</td><td>" + title + "</td><td>" + author + "</td><td>" + price +
"</td><td>" + quantity + "</td></tr>");
            }
            out.println("</table>");
            out.println("</html></body>");
            con.close();
        }
```

```java
        catch (Exception e) {
            e.printStackTrace();
        }
    }

    @Override
    protected void doGet(HttpServletRequest request, HttpServletResponse response)
            throws ServletException, IOException {
        processRequest(request, response);
    }

    @Override
    protected void doPost(HttpServletRequest request, HttpServletResponse response)
            throws ServletException, IOException {
        processRequest(request, response);
    }

    @Override
    public String getServletInfo() {
        return "Short description";
    }
}
```

index.html

```html
<!DOCTYPE html>
<html>
    <head>
        <title>Books</title>
        <meta charset="UTF-8">
        <meta name="viewport" content="width=device-width, initial-scale=1.0">
    </head>
    <body>
        <a href="servlet">
            <h1>Show Books</h1>
        </a>
    </body>
</html>
```

web.xml

```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>servlet</servlet-class>
    </servlet>
```

```xml
    <servlet-mapping>
        <servlet-name>servlet</servlet-name>
        <url-pattern>/servlet</url-pattern>
    </servlet-mapping>
    <session-config>
        <session-timeout>
            30
        </session-timeout>
    </session-config>
</web-app>
```
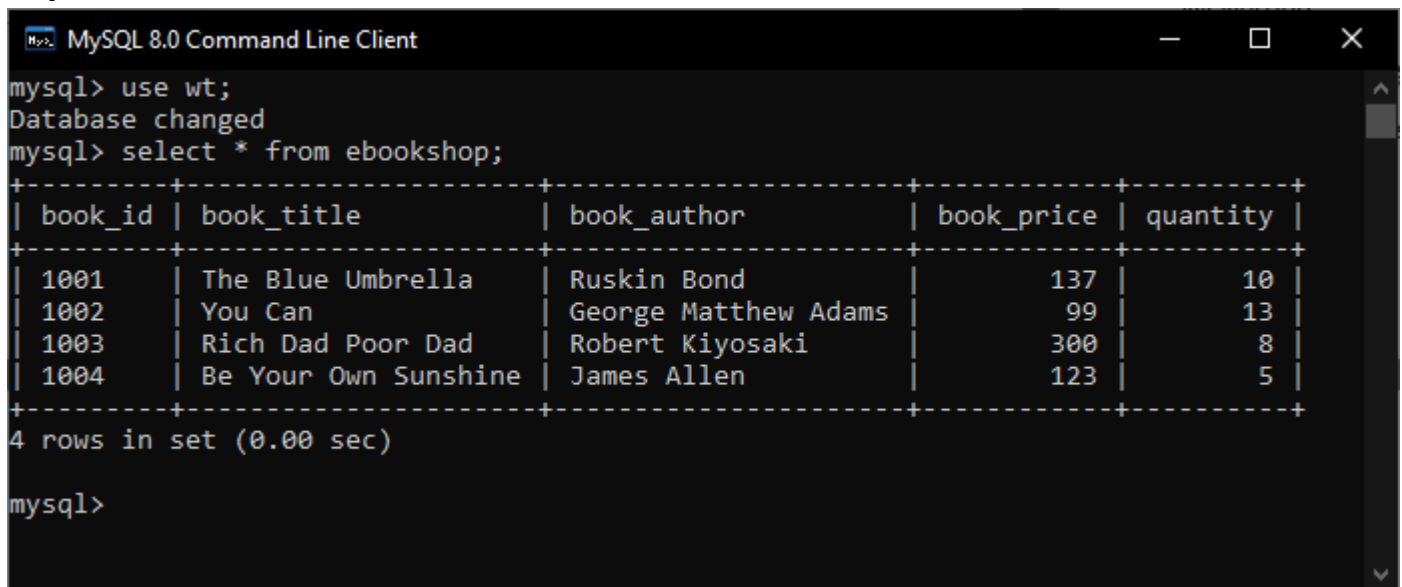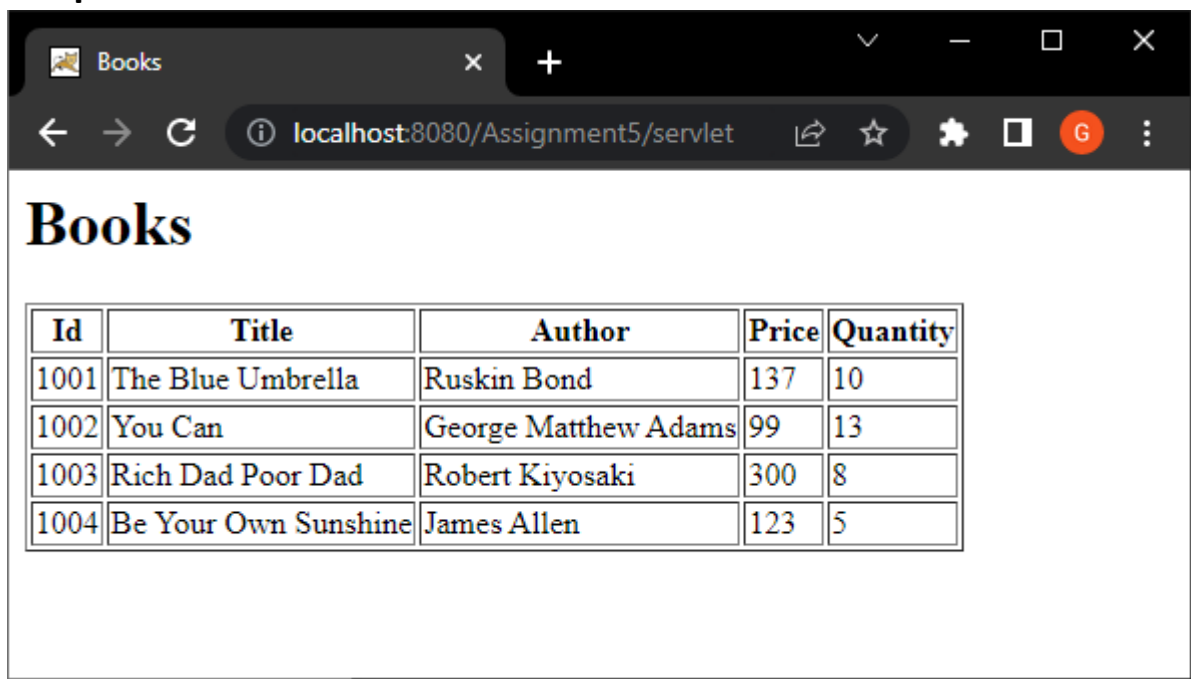
MySQL Table

```
MySQL 8.0 Command Line Client                                           —    □    ×

mysql> use wt;
Database changed
mysql> select * from ebookshop;
+---------+----------------------+----------------------+-------------+----------+
| book_id | book_title           | book_author          | book_price  | quantity |
+---------+----------------------+----------------------+-------------+----------+
| 1001    | The Blue Umbrella    | Ruskin Bond          |         137 |       10 |
| 1002    | You Can              | George Matthew Adams |          99 |       13 |
| 1003    | Rich Dad Poor Dad    | Robert Kiyosaki      |         300 |        8 |
| 1004    | Be Your Own Sunshine | James Allen          |         123 |        5 |
+---------+----------------------+----------------------+-------------+----------+
4 rows in set (0.00 sec)

mysql>
```

Output

Books

Id	Title	Author	Price	Quantity
1001	The Blue Umbrella	Ruskin Bond	137	10
1002	You Can	George Matthew Adams	99	13
1003	Rich Dad Poor Dad	Robert Kiyosaki	300	8
1004	Be Your Own Sunshine	James Allen	123	5