

/*

Assignment no :-5

Title:- Implement the sample program demonstrating the use of servlet e.g., Create a database table ebookshop (book_id, book_title, book_suther, book_price, quantity) using database like Oracle/MySQL etc. and display (use SQL select query) the table content using servlet

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Roll No:-74

Class :-TE

Batch:-T4

*/

//s1.html

```
<!DOCTYPE html>
<html>

<form method="post" action="MyServlet">

Book ID:

<input type="text" name="id"><br>
<br>
Book title
<input type="text" name="title" ><br>
<br>
Book auther
<input type="text" name="auth" ><br>
<br>
Book price
<input type="text" name="price" ><br>
<br>
Book quantity
<input type="text" name="qt" ><br>

<br>

<input type="submit" value="submit">
</form>

</body>

</html>
```

//MyServlet.java

```
import java.io.IOException;

import javax.servlet.ServletException;

import javax.servlet.annotation.WebServlet;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

import java.sql.*;

/**
 * Servlet implementation class MyServlet
 */
import java.io.*;

import javax.servlet.*;

@WebServlet("/MyServlet")

public class MyServlet extends HttpServlet {

    public void doPost(HttpServletRequest request, HttpServletResponse
    response) throws ServletException, IOException

    {

        try {

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

            java.sql.Connection con =

            DriverManager.getConnection("jdbc:mysql://localhost:3307/dbervlet","root","");

            Statement st= con.createStatement();

            int id = Integer.parseInt(request.getParameter("id"));
```

```

String title= request.getParameter("title");

String auth= request.getParameter("auth");

int price = Integer.parseInt(request.getParameter("price"));

int qt = Integer.parseInt(request.getParameter("qt"));


PrintWriter out= response.getWriter();


st.executeUpdate("insert into ebookshop values("+id+", '"+title+"', '"+auth+"', "+price+", "+qt+"");

out.print("<br>ID : "+id);

out.print("<br>title : "+title);

out.print("<br>auther name : "+auth);

out.print("<br>price : "+price);

out.print("<br>Quantity : "+qt);

ResultSet rs=st.executeQuery("select * from ebookshop");


out.print("<table border=1 align=center>");


out.print("<tr><th> ID</th><th>title</th> <th>auther</th> <th>price</th> <th>quantity</th></tr>");


        while(rs.next())

        {

            out.print("<tr align=center>");

            out.print("<td>");

            out.print(rs.getInt(1));

            out.print("</td>");

            out.print("<td>");

            out.print(rs.getString(2));

            out.print("</td>");

```

```
out.print("<td>");
```

```
out.print(rs.getString(3));
```

```
out.print("</td>");
```

```
out.print("<td>");
```

```
out.print(rs.getInt(4));
```

```
out.print("</td>");
```

```
out.print("<td>");
```

```
out.print(rs.getInt(5));
```

```
out.print("</td>");
```

```
out.print("</tr>");
```

```
}
```

```
}
```

```
catch (SQLException e) {
```

```
    throw new ServletException("Servlet Could not display records.", e);
```

```
}
```

```
catch (ClassNotFoundException e) {
```

```
    throw new ServletException("JDBC Driver not found.", e);
```

```
}
```

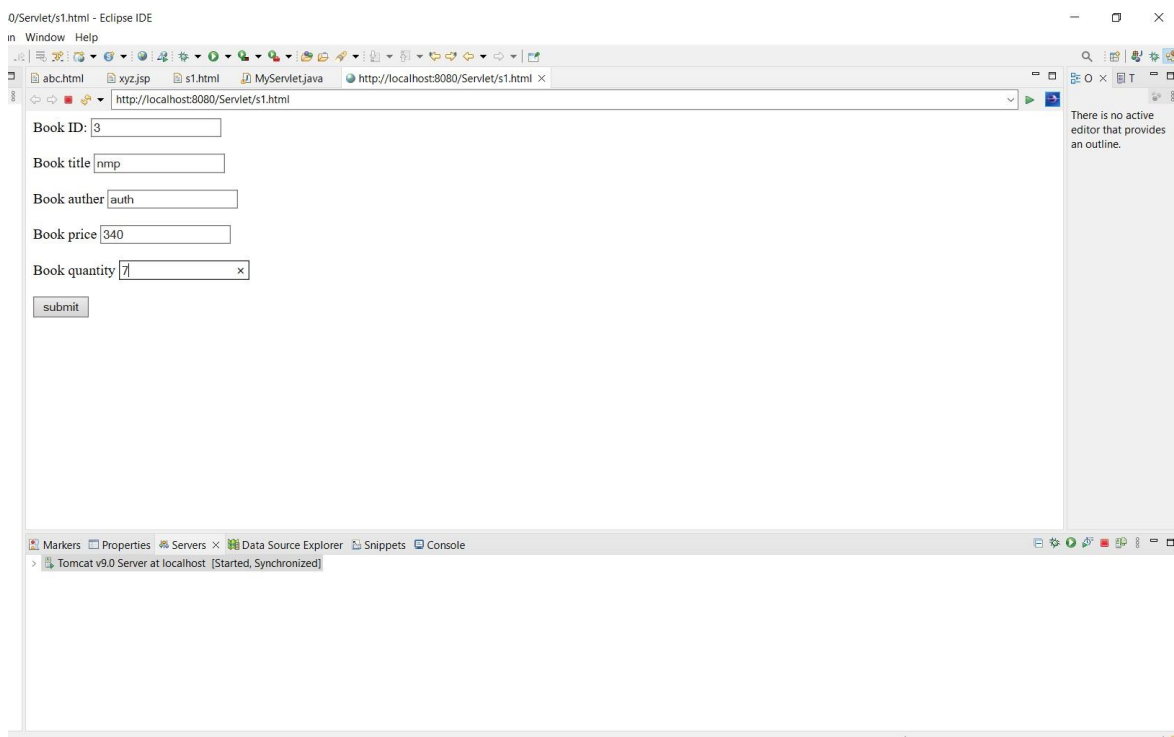
```
}
```

```
}
```

//OUTPUT

ID : 3
title : nmp
auther name : auth
price : 340
Quantity : 7

ID	title	auther	price	quantity
1	abc	xyz	120	5
2	uyt	sad	45	2
3	nmp	auth	340	7



eclipse-workspace - http://localhost:8080/Servlet/s1.html - Eclipse IDE

File Edit Navigate Search Project Run Window Help

Project Explorer

- > connect
- > connectivity
- > hello
- > java-Mongo
- > menujdbc
- > MondoDBApp
- > mongo
- > mongo2
- > mongoD
- > mongojdbc
- > Servers
- > Servlet
- > sqlConnect
- > sql
- > xyz
- > XYZ_FirstWeb

abc.html xyz.jsp s1.html MyServlet.java http://localhost:8080/Servlet/MyServlet

http://localhost:8080/Servlet/MyServlet

ID : 3
title : nmp
auther name : auth
price : 340
Quantity : 7

ID	title	auther	price	quantity
1	abc	xyz	120	5
2	uyt	sad	45	2
3	nmp	auth	340	7

Markers Properties Servers Data Source Explorer Snippets Console

Tomcat v9.0 Server at localhost: [Started, Synchronized]

Done

Type here to search

04:43 AM
03-05-2022

Server: 127.0.0.1:3307 Database: db:servlet Table: ebookshop

Browse Structure SQL Search Insert Export Import Privileges Operations Triggers

Current selection does not contain a unique column. Grid edit, checkbox, Edit, Copy and Delete features are not available.

Showing rows 0 - 2 (3 total, Query took 0.0003 seconds)

SELECT * FROM `ebookshop`

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Show all Number of rows: 25 Filter rows: Search this table

+ Options

book_id	book_title	book_auther	book_price	quantity
1	abc	xyz	120	5
2	uyt	sad	45	2
3	nmp	auth	340	7

Show all Number of rows: 25 Filter rows: Search this table

Query results operations

Print Copy to clipboard Export Display chart Create view