Java Servlet file: **PR12.java**

1. import javax.servlet.\*;
3. import java.io.PrintWriter;
4. import java.sql.\*;
5. public class PR12 extends GenericServlet{
6. public void service(ServletRequest req, ServletResponse res){
7. String name = req.getParameter("name");
8. String address = req.getParameter("address");
9. String city = req.getParameter("city");
10. String check = req.getParameter("check");
11. boolean flag = true;
12. PrintWriter out = null;
13. try {
14. out = res.getWriter();
15. out.println("<head>" +
16. "<style> table, th, td { border: 3rpx solid black; } </style>" +
17. "</head>");
18. }catch(Exception e) {
19. System.out.println(e);
20. }
22. //Printing to the console
23. System.out.println("Name : " + name);
24. System.out.println("Address: " + address);
25. System.out.println("City : " + city);
26. System.out.println("Check : " + check);
28. Statement stmt = null;
29. try {
30. Class.forName("com.mysql.cj.jdbc.Driver");
31. Connection con = DriverManager.getConnection("jdbc:mysql://localhost:3306/Practicals","root","");
32. stmt = con.createStatement();
34. stmt.executeUpdate("Insert into PR11 Values ('" +name + "','" + address + "','" + city + "');");
35. System.out.println("Query Executed Successfully!");
36. stmt.executeUpdate("DELETE from PR11 where name = 'null' or name=' '");
37. System.out.println("Deleting Successful");
39. }catch(Exception e) {
40. System.out.println(e);
41. }

44. try {
45. check.isEmpty();
46. flag = true;
47. }catch(Exception e) {
48. flag = false;
49. }
51. if(flag) {
52. try{
53. ResultSet rs = stmt.executeQuery("SELECT \* From PR11");
54. out.println("<h1>Database view</h1><br>");
55. out.println("<table>");
56. out.println("<tr>");
57. out.println("<th>Name</th>");
58. out.println("<th>Address</th>");
59. out.println("<th>City</th>");
60. out.println("</tr>");
61. while(rs.next()) {
62. out.println("<tr>");
63. out.println("<td>" + rs.getString(1) +"</td>");
64. out.println("<td>" + rs.getString(2) +"</td>");
65. out.println("<td>" + rs.getString(3) +"</td>");
66. out.println("</tr>");
67. }
68. out.println("</table>");
70. }catch(Exception e) {
71. System.out.println(e);
72. }
74. }else {
75. out.println("<h1>Your data has been written to drive successfully</h1>");
76. }
78. }
80. }

HTML File: **index.html**

1. <!DOCTYPE html>
2. <html>
3. <head>
4. <style **type**="text/css">
6. body {
7. margin:50px 0px; padding:0px;
8. text-align:center;
9. align:center;
10. }
11. label,input {
12. display: block;
13. width: 150px;
14. float: left;
15. margin-bottom: 10px;
16. }
18. label {
19. text-align: right;
20. width: 75px;
21. padding-right: 20px;
22. }
24. br {
25. clear: left;
26. }


30. </style>
31. </head>
32. <body>
33. <form **action**="fetch">
35. <label **for**="name">Name</label>
36. <input **id**="name" **name**="name"><br>
38. <label **for**="address">Address</label>
39. <input **id**="address" **name**="address"><br>
41. <label **for**="city">City</label>
42. <input **id**="city" **name**="city"><br>
44. <label **for**"showData">Show all data?</label>
45. <input **id**="check" **name**="check" **type**="checkBox"><br>
46. <input **style**="margin-left:4.5vw"**type**="submit" **name**="submit" **id**="submit" **value**="submit" **class**="button" />
47. </form>
48. </body>
49. </html>

XML File: **web.xml**

1. <?xml version="1.0" encoding="UTF-8"?>
2. <web-app **xmlns:xsi**="http://www.w3.org/2001/XMLSchema-instance" **xmlns**="http://xmlns.jcp.org/xml/ns/javaee" **xsi:schemaLocation**="http://xmlns.jcp.org/xml/ns/javaee http://xmlns.jcp.org/xml/ns/javaee/web-app\_4\_0.xsd" **id**="WebApp\_ID" **version**="4.0">
3. <display-name>PR12</display-name>
4. <servlet>
5. <servlet-name>fetch</servlet-name>
6. <servlet-class>PR12</servlet-class>
7. </servlet>
9. <servlet-mapping>
10. <servlet-name>fetch</servlet-name>
11. <url-pattern>/fetch</url-pattern>
12. </servlet-mapping>
14. </web-app>