

Java Servlet file: PR12.java

```
1. import javax.servlet.*;
2.
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: 3px solid
17.                black; } </style>" +
18.                "</head>");
19.        }catch(Exception e) {
20.            System.out.println(e);
21.        }
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);
27.
28.        Statement stmt = null;
29.        try {
30.            Class.forName("com.mysql.cj.jdbc.Driver");
31.            Connection con =
32.                DriverManager.getConnection("jdbc:mysql://localhost:3306/Practicals","root","");
33.            stmt = con.createStatement();
34.            stmt.executeUpdate("Insert into PR11 Values ('" +name + "','" +
35.                address + "','" + city + "')");
36.            System.out.println("Query Executed Successfully!");
37.            stmt.executeUpdate("DELETE from PR11 where name = 'null' or name="
38.                "'");
39.            System.out.println("Deleting Successful");
40.        }catch(Exception e) {
41.            System.out.println(e);
42.        }
43.
44.        try {
45.            check.isEmpty();
46.            flag = true;
47.        }catch(Exception e) {
48.            flag = false;
49.        }
50.
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.
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63.
64.                                     out.println("<tr>");
65.                                     out.println("<td>" + rs.getString(1) + "</td>");
66.                                     out.println("<td>" + rs.getString(2) + "</td>");
67.                                     out.println("<td>" + rs.getString(3) + "</td>");
68.                                     out.println("</tr>");

69.                                     }
70.                                     out.println("</table>");
71.
72.                                     }catch(Exception e) {
73.                                         System.out.println(e);
74.                                     }
75.
76.                                     }else {
77.                                         out.println("<h1>Your data has been written to drive
successfully</h1>");
78.                                     }
79.
80.     }
81.
82. }

```

HTML File: index.html

```

1. <!DOCTYPE html>
2. <html>
3. <head>
4. <style type="text/css">
5.
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.    }
17.
18.    label {
19.        text-align: right;
20.        width: 75px;
21.        padding-right: 20px;
22.    }
23.
24.    br {
25.        clear: left;
26.    }
27.
28.
29.
30.    </style>
31. </head>
32. <body>
33.     <form action="fetch">
34.
35.     <label for="name">Name</label>
36.     <input id="name" name="name"><br>
37.
38.     <label for="address">Address</label>
39.     <input id="address" name="address"><br>

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40.
41. <label for="city">City</label>
42. <input id="city" name="city"><br>
43.
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>
8.
9.   <servlet-mapping>
10.    <servlet-name>fetch</servlet-name>
11.    <url-pattern>/fetch</url-pattern>
12.  </servlet-mapping>
13.
14. </web-app>
```