

```

1  //EmployeeSearchApp-Using-init-Param-Value
2  /**
3   **@Author (Vaibhav Belkhude)
4   */
5  =====
6  |
7  |---com.nt.servlet
8  |       |---->EmployeeSearchServlet.java
9  |---WEB-Content
10 |       |---->WEB-INF
11 |       |       |---->lib
12 |       |       |---->OJDBC 6.jar
13 |       |       |
14 |       |       |---->web.xml
15 |       |       |
16 |       |       |---->Search.html
17 |       |
18 |
19 =====
20 Step 1: Create Package -->com.nt.servlet
21 |
22 |---->EmployeeSearchServlet.java
23
24 //EmployeeSearchServlet.java
25 =====
26 package com.nt.servlet;
27
28 import java.io.IOException;
29 import java.io.PrintWriter;
30 import java.sql.Connection;
31 import java.sql.DriverManager;
32 import java.sql.PreparedStatement;
33 import java.sql.ResultSet;
34 import java.sql.SQLException;
35
36 import javax.servlet.ServletConfig;
37 import javax.servlet.ServletException;
38 import javax.servlet.annotation.WebServlet;
39 import javax.servlet.http.HttpServlet;
40 import javax.servlet.http.HttpServletRequest;
41 import javax.servlet.http.HttpServletResponse;
42
43
44 @WebServlet("/DBServlet")
45 public class EmployeeSearchServlet extends HttpServlet {
46     private static final String GET_EMP_DETAILS="SELECT EMPNO,ENAME,JOB,SAL FROM EMP WHERE EMPNO=?";
47
48     Connection conn;
49     PreparedStatement ps;
50     public void init() {
51         System.out.println("--init param--");
52         try {
53             //get Access to ServletConfig object
54             ServletConfig sc=getServletConfig();
55             //read init param value from web.xml
56             String s1=getInitParameter("driver");
57             String s2=getInitParameter("dburl");
58             String s3=getInitParameter("duser");
59             String s4=getInitParameter("dpwd");
60
61             //create jdbc conn object
62             Class.forName(s1);
63             conn=DriverManager.getConnection(s2,s3,s4);
64             //create jdbc prepared statement

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65         ps=conn.prepareStatement("select ename,sal from emp where empno=?");
66     }
67     catch(Exception e) {
68         e.printStackTrace();
69     }
70 }
71
72 public void doGet(HttpServletRequest req, HttpServletResponse res) throws ServletException, IOException
73 {
74     try {
75         int no=Integer.parseInt(req.getParameter("empno"));
76         //general setting get PrintWriter object
77         PrintWriter pw=res.getWriter();
78         res.setContentType("text/html");
79         //write jdbc object
80         //set value to parameter query
81         ps.setInt(1,no);
82         //Execute Query
83         ResultSet rs=ps.executeQuery();
84         //process ResultSet object
85         if(rs.next())
86         {
87             pw.println("<h1 style='color:red;text-align:center'>Employee Details are:</h1>");
88             pw.println("<br><b>Emp Name is::</b>"+rs.getString(1));
89             pw.println("<br><b>Emp Salary is::</b>"+rs.getFloat(2));
90
91             }
92         else {
93             pw.println("<h1 style='color:green;text-align:center'>Employee Details are Not Found:</h1>");
94         }
95         pw.println("<br><br><a href='Search.html'>Home</a>");
96         //close ResultSet object
97         rs.close();
98         pw.close();
99     }
100     catch(Exception e) {
101         e.printStackTrace();
102     }
103 }
104
105
106 public void doPost(HttpServletRequest req, HttpServletResponse res) throws ServletException, IOException
107 {
108     doGet(req, res);
109 }
110 public void destroy() {
111     //close jdbc object
112     try {
113         if(ps!=null)
114             ps.close();
115         }
116         catch(SQLException se) {
117             se.printStackTrace();
118         }
119     try {
120         if(conn!=null)
121             conn.close();
122         }
123         catch(SQLException se) {
124             se.printStackTrace();
125         }
126     }
127 }
128 }
```

```

129 *****end java class*****
130
131
132 =====[Vaibhav Belkhude]=====
133 Step 2: Create HTML file inside WEBContent folder::-->Search.html
134 *****
135 WEBContent:----
136     |
137     |
138     |----->Search.html
139 =====
140 <body bgcolor="pink">
141 <h1 style="color:red ;text-align:center">EmployeeSearchApp (Servlet TO DB S/W Communication)</h1>
142 <form action="dburl" method="POST" >
143 <table boader="1" align="center" bgcolor="cyan" ">
144 <tr>
145 <td>Employee Details are:</td>
146
147 <td><input type="text" name="empno" placeholder="Search Employee ID" required></td><br><br>
148 </tr>
149 <tr>
150 <td><input type="submit" name="Get EmployeeDetails"></td>
151 <td><input type="reset" name="Reset"></td>
152
153
154 </tr>
155 </table>
156 </form>
157 </body>
158 *****end HTML file*****
159 =====[Vaibhav Belkhude]=====
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196 =====[Vaibhav Belkhude]=====
197 Step 3: Create XML file inside WEBContent --
198 |
199 |
200 | WEB-INF
201 |
202 |
203 | :-->web.xml
204 *****
205 web.xml
206 =====
207 <?xml version="1.0" encoding="UTF-8"?>
208 <web-app>
209   <display-name>EmployeeSearchApp-Using_initParam_value</display-name>
210   <servlet>
211     <servlet-name>DB</servlet-name>
212     <servlet-class>com.nt.servlet.DBServlet</servlet-class>
213     <!-- init param value -->
214     <init-param>
215       <param-name>driver</param-name>
216       <param-value>oracle.jdbc.driver.OracleDriver</param-value>
217     </init-param>
218
219     <init-param>
220       <param-name>dburl</param-name>
221       <param-value>jdbc:oracle:thin:@localhost:1521:ORCL</param-value>
222     </init-param>
223
224     <init-param>
225       <param-name>duser</param-name>
226       <param-value>scott</param-value>
227     </init-param>
228     <init-param>
229       <param-name>dpwd</param-name>
230       <param-value>vaibhav92</param-value>
231     </init-param>
232     <load-on-startup>1</load-on-startup>
233   </servlet>
234
235   <servlet-mapping>
236     <servlet-name>DB</servlet-name>
237     <url-pattern>/dburl</url-pattern>
238   </servlet-mapping>
239   <welcome-file-list>
240     <welcome-file>Search.html</welcome-file>
241   </welcome-file-list>
242 </web-app>
243 *****end EmployeeSearchApp*****
244 =====
245 *****
246       input:   Employee Details Are [ 7902 ]
247
248       [Submit]
249 *****
250
251       Generated Output:
252       Employee Details are:
253       Emp Name is::ADAMS
254       Emp Salary is::1100.0
255
256       Home(hyperlink)

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