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REGISTRATION NO: 20BCE7454

EXTERNSHIP ASSIGNMENT-3

CAMPUS-VIT AP

JDBC in Java and mysql

Code

```
registraionForm.jsp x FormServlet.java
1 <%@ page language="java" contentType="text/html; charset=ISO-8859-1"
2   pageEncoding="ISO-8859-1"%>
3 <!DOCTYPE html>
4 <html>
5 <head>
6
7 </head>
8 <style>
9 input[type=text], select {
10   width: 100%;
11   padding: 12px 20px;
12   margin: 8px 0;
13   display: inline-block;
14   border: 1px solid #c51b1b;
15   border-radius: 4px;
16   box-sizing: border-box;
17 }
18 input[type=number], select {
19   width: 100%;
20   padding: 12px 20px;
21   margin: 8px 0;
22   display: inline-block;
23   border: 1px solid #ccc;
24   border-radius: 4px;
25   box-sizing: border-box;
26 }
27 input[type=email], select {
28   width: 100%;
29   padding: 12px 20px;
```

```
registraionForm.jsp x FormServlet.java
30   margin: 8px 0;
31   display: inline-block;
32   border: 1px solid #ccc;
33   border-radius: 4px;
34   box-sizing: border-box;
35 }
36
37 input[type=submit] {
38   width: 100%;
39   background-color: #4CAF50;
40   color: white;
41   padding: 14px 20px;
42   margin: 8px 0;
43   border: none;
44   border-radius: 4px;
45   cursor: pointer;
46 }
47
48 input[type=submit]:hover {
49   background-color: #45a049;
50 }
51
52 div {
53   border-radius: 5px;
54   background-color: #f2f2f2;
55   padding: 20px;
56 }
57 </style>
58 <body>
```

```
registraionForm.jsp x FormServlet.java
59
60
61 <center>
69     <label for="fname">Student First Name</label>
70     <input type="text" id="fname" name="Student First Name" placeholder="Student First Name">
71
72     <label for="lname">Student Last Name</label>
73     <input type="text" id="lname" name="Student Last Name" placeholder="Student Last Name">
74
75     <label for="email">Student Email:</label>
76     <input type="email" id="email" name="email" placeholder="Student Email">
77
78     <p>
79       <label for="dob">Student Date of Birth</label>
80       <input type="date" id="dob" name="DOB">
81     </p>
82
83
84
85     <p>
86       <label for="phnum">Student Phone Number</label>
87       <input type="number" id="phone" name="phone" placeholder="e.g. +91 702 123 4567" value="+91 ">
```

Code for database connection:

```
registraionForm.jsp  *FormServlet.java x
1
2
3 *import jakarta.servlet.ServletException;
12
13 /**
14  * Servlet implementation class FormServlet
15  */
16 public class FormServlet extends HttpServlet {
17     private static final long serialVersionUID = 1L;
18
19
20     protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
21         try {
22             Class.forName("com.mysql.jdbc.Driver");
23             Connection con = DriverManager.getConnection("jdbc:mysql://localhost:3306/registration_form","root","st");
24         } catch (ClassNotFoundException e) {
25             e.printStackTrace();
26         } catch (SQLException e) {
27             // TODO Auto-generated catch block
28             e.printStackTrace();
29         }
30     }
31
32 }
```

Code output:

```
+-----+-----+-----+-----+-----+-----+-----+-----+
| first_name | last_name | email | date_of_birth | ph_no | country | degree | specialization |
+-----+-----+-----+-----+-----+-----+-----+-----+
| ramGopal | varma | 20bci@vitap.ac.in | 7/4/1962 | 6301497800 | india | B-tech | AI |
+-----+-----+-----+-----+-----+-----+-----+-----+
```

```
registraionForm.jsp  *FormServlet.java x
1
2
3 *import jakarta.servlet.ServletException;
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13 /**
14  * Servlet implementation class FormServlet
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16 public class FormServlet extends HttpServlet {
17     private static final long serialVersionUID = 1L;
18
19
20     protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException
21     try {
22         Class.forName("com.mysql.jdbc.Driver");
23         Connection con = DriverManager.getConnection("jdbc:mysql://localhost:3306/registration_form","root'
24     } catch (ClassNotFoundException e) {
25         e.printStackTrace();
26     } catch (SQLException e) {
27         // TODO Auto-generated catch block
28         e.printStackTrace();
29     }
30 }
31
32 }
33
```