



|           |                              |              |               |
|-----------|------------------------------|--------------|---------------|
| Programme | : BTech. CSE Core            | Semester     | : Win 2021-22 |
| Course    | : Java Programming           | Code         | : CSE1007     |
| Faculty   | : Dr. Pradeep K              | Slot         | : L9+L10      |
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### 1. Create a program using Servlet

#### Register Servlet

```
import java.io.PrintWriter;
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;

/**
 * Servlet implementation class RegisterServlet
 */
@WebServlet("/register")
public class RegisterServlet extends HttpServlet {
    @Override
    protected void doPost(HttpServletRequest req, HttpServletResponse resp) throws
ServletException, IOException {
        resp.setContentType("text.html");
        PrintWriter out = resp.getWriter();
        out.println("<h1> welcome </h1>");
        String name = req.getParameter("user_name");
        String password = req.getParameter("user_password");

        String mail = req.getParameter("user_city");
        String gender = req.getParameter("user_server");
        String course = req.getParameter("user_role");
        String cond = req.getParameter("user_sign");
        System.out.println(name + " " + password + " " + mail + " " + gender + " " +
        course);
    }
}
```

#### Index.html

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Document</title>
  </head>
```

```

<body>
  <section style="display: flex; justify-content: center; align-items: center;
margin-top:
    150px; padding: 10px;">
    <form action="register" method="post">
      <div style="margin: 10px;">
        <label for="">Username</label>
        <input type="text" name="user_name" required placeholder="Enter Text">
      </div>
      <div style="margin: 10px;">
        <label for="" style="margin-right: 2px;">Password</label>
        <input type="password" name="user_password" required placeholder="Enter
Text">
      </div>
      <div style="margin: 10px;">
        <label for="">City of</label><br>
        <label for="">Employment</label>
        <input type="text" name="user_city" required placeholder="Enter Text" >
      </div>
      <div style="margin: 10px;">
        <label for="">Webserver</label>
        <select name="user_server" id="">
          <option value="apache">Apache</option>
          <option value="Jigsaw">Jigsaw</option>
          <option value="IIS">IIS</option>
          <option value="Nginx">Nginx</option>
        </select>
      </div>
      <div style="display: flex; margin: 10px;">
        <label for="">Please specify Role</label>
        <div>
          <div><input type="radio" name="user_role" value="Admin"
id="">Admin</div>
          <div><input type="radio" name="user_role" value="Engineer"
id="">Engineer</div>
          <div><input type="radio" name="user_role" value="Guest"
id="">Guest</div>
          <div><input type="radio" name="user_role" value="Manager"
id="">Manager</div>
        </div>
      </div>
      <div style="display: flex; margin: 10px;">
        <label for="">Single Sign-in </label><br>
        <label for="">on the following</label>
        <div>
          <div><input type="checkbox" name="user_sign" id="">Mail</div>
          <div><input type="checkbox" name="user_sign" id="">Payroll</div>
          <div><input type="checkbox" name="user_sign" id="">Self-
service</div>
        </div>
      </div>
      <div style="display: flex;">
        <button style="margin: 10px;" type="submit">Submit</button>
        <button style="margin: 10px;" type="reset">Reset</button>
      </div>
    </form>
  </section>
</body>
</html>

```

## OUTPUT:

localhost:8082/Q1\_Lab13/register

For quick access, place your bookmarks here on the bookmarks bar. [Import bookmarks now...](#)

# welcome

Username:

Password:

City of Employment:

Webserver:

Please specify Role: ☐ Admin ☒ Engineer ☐ Guest ☐ Manager

Single Sign-on the following: ☐ Mail ☒ Payroll ☐ Self-service

## 2. doGet and doPost method

### index.html (GET)

```
<!DOCTYPE html>
<html>
  <head>
    <meta charset="ISO-8859-1">
    <title>Insert title here</title>
    <style type="text/css">
      .container {
        width: 40%;
        margin: auto;;
        padding: 20px;
        font-size: 20px;
        border: 1px solid black;
      }
    </style>
  </head>
  <body>
    <div class="container">
      <h1>My Form</h1>
      <form action="register" method="get">
        <table>
```

```

        <tr>
            <td>Enter your name</td>
            <td><input type="text" name="user_name"
                required placeholder="enter here" /></td>
        </tr>
        <tr>
            <td>Enter your password</td>
            <td><input required type="password"
                name="user_password"
                placeholder="enter here" /></td>
        </tr>
        <tr>
            <td>Enter your mail</td>
            <td><input type="email" name="user_mail"
                placeholder="enter here" /></td>
        </tr>
        <tr>
            <td>selet gender</td>
            <td><input type="radio" name="user_gender"
                value="Male" />male</td>
            <td><input type="radio" name="user_gender"
                value="Female" />female</td>
        </tr>
        <tr>
            <td>Select your course</td>
            <td>
                <select name="user_courde">
                    <option value="java">JAVA</option>
                    <option value="php">PHP</option>
                    <option
                        value="python">PYTHON</option>
                    <option
                        value="android">ANDROID</option>
                </select>
            </td>
        </tr>
        <tr>
            <td style="text-align: right"><input type="checkbox"
value="checked" name="condition" /></td>
            <td>Agree terms and condition</td>
        </tr>
        <tr>
            <td></td>
            <td>
                <button type="submit">Register</button>
                <button type="reset">Reset</button>
            </td>
        </tr>
    </table>
</form>
</div>
</body>
</html>

```

## doPost method

```

<!DOCTYPE html>
<html>
    <head>
        <meta charset="ISO-8859-1">
        <title>Insert title here</title>
        <style type="text/css">
            .container {
                width: 40%;
                margin: auto;;
            }
        </style>
    </head>
    <body>
        <div class="container">
            <table border="1">
                <tr>
                    <td>Enter your name</td>
                    <td><input type="text" name="user_name"
                        required placeholder="enter here" /></td>
                </tr>
                <tr>
                    <td>Enter your password</td>
                    <td><input required type="password"
                        name="user_password"
                        placeholder="enter here" /></td>
                </tr>
                <tr>
                    <td>Enter your mail</td>
                    <td><input type="email" name="user_mail"
                        placeholder="enter here" /></td>
                </tr>
                <tr>
                    <td>selet gender</td>
                    <td><input type="radio" name="user_gender"
                        value="Male" />male</td>
                    <td><input type="radio" name="user_gender"
                        value="Female" />female</td>
                </tr>
                <tr>
                    <td>Select your course</td>
                    <td>
                        <select name="user_courde">
                            <option value="java">JAVA</option>
                            <option value="php">PHP</option>
                            <option
                                value="python">PYTHON</option>
                            <option
                                value="android">ANDROID</option>
                        </select>
                    </td>
                </tr>
                <tr>
                    <td style="text-align: right"><input type="checkbox"
value="checked" name="condition" /></td>
                    <td>Agree terms and condition</td>
                </tr>
                <tr>
                    <td></td>
                    <td>
                        <button type="submit">Register</button>
                        <button type="reset">Reset</button>
                    </td>
                </tr>
            </table>
        </div>
    </body>
</html>

```



```

import java.io.PrintWriter;
import java.io.IOException;
import javax.servlet.ServletException;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
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/**
 * Servlet implementation class RegisterServlet
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@WebServlet("/register")
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    @Override

    protected void doPost(HttpServletRequest req, HttpServletResponse resp) throws
ServletException, IOException {
        resp.setContentType("text.html");
        PrintWriter out = resp.getWriter();
        out.println("<h1> welcome </h1>");
        String name = req.getParameter("user_name");
        String password = req.getParameter("user_password");
        String mail = req.getParameter("user_mail");
        String gender = req.getParameter("user_gender");
        String course = req.getParameter("user_courde");
        String cond = req.getParameter("condition");
        System.out.println(name + " " + password + " " + mail + " " + gender + " " +
        course);
    }

    protected void doGet(HttpServletRequest req, HttpServletResponse resp) throws
ServletException, IOException {
        resp.setContentType("text.html");
        PrintWriter out = resp.getWriter();
        out.println("<h1> welcome </h1>");
        String name = req.getParameter("user_name");
        String password = req.getParameter("user_password");
        String mail = req.getParameter("user_mail");
        String gender = req.getParameter("user_gender");
        String course = req.getParameter("user_courde");
        String cond = req.getParameter("condition");
        System.out.println(name + " " + password + " " + mail + " " + gender + " " +
        course);
    }
}

```

## Output

### 1. doGet



### 2. doPost

