

Servlet Notes

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Purpose:

- 1) To make an servlet application that will take username and password
- 2) Show the username with welcome "Welcome username"
- 3) Check whether we are getting the username in second servlet or not

Steps:

Step 1 - create a new project, add Archetype

"org.apache.maven.archetypes:maven-archetype-webapp", add dependency of [servlet](#) to pom.xml file

Step 2 - Create a static homepage that will take 2 inputs: username and password.

Index.html(Welcome file)
Path - src/main/webapp/index.html

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <title>Login Page</title>
</head>
<body>
<form action="login">
  Enter username:<input type="text" name = "uname"/>
  Enter Password:<input type="password" name = "password"/>
  <input type = "submit" ></form>
</body>
</html>
```

Step 3 - Create a servlet to display “welcome username”. Use `req.getParameter` to get the user input present in the homepage.

DisplayServlet.java
Path - src/main/javaFiles/DisplayName.java

```
import javax.servlet.ServletException;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
import java.io.IOException;
import java.io.PrintWriter;

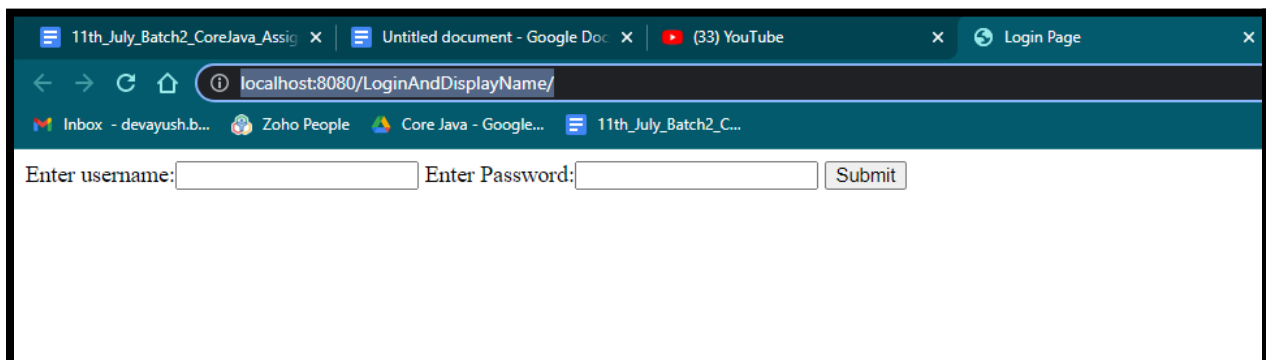
public class DisplayName extends HttpServlet {
    @Override
    protected void doGet(HttpServletRequest req, HttpServletResponse resp)
        throws ServletException, IOException {

        PrintWriter out = resp.getWriter();
        resp.setContentType("text/HTML");
        String name = req.getParameter("uname");
        String pass = req.getParameter("password");
        out.println("Welcome " + name);

        out.println("<a href = 'ByeServlet' target = '_blank' > Bye</a>");

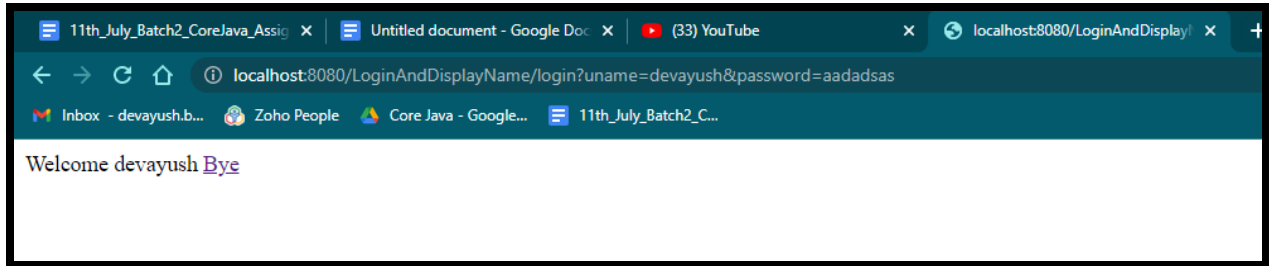
    }
}
```

Output:



The screenshot shows a web browser window with the address bar displaying `localhost:8080/LoginAndDisplayName/`. The browser's tab bar includes several open tabs: "11th_July_Batch2_CoreJava_Assig...", "Untitled document - Google Doc...", "(33) YouTube", and "Login Page". Below the address bar, there are several bookmarks: "Inbox - devayush.b...", "Zoho People", "Core Java - Google...", and "11th_July_Batch2_C...". The main content area of the browser displays a login form with the following elements:

- A label "Enter username:" followed by a text input field.
- A label "Enter Password:" followed by a text input field.
- A "Submit" button located to the right of the password input field.



Step 4 - Create a new servlet and try to call username again from homepage to another servlet

ByeServlet.java Path - src/main/javaFiles/DisplayName.java
<pre>import javax.servlet.ServletException; import javax.servlet.http.HttpServlet; import javax.servlet.http.HttpServletRequest; import javax.servlet.http.HttpServletResponse; import java.io.IOException; import java.io.PrintWriter; public class ByeServlet extends HttpServlet { @Override protected void doGet(HttpServletRequest req, HttpServletResponse resp) throws ServletException, IOException { resp.setContentType("text/Html"); String name = req.getParameter("uname"); PrintWriter out = resp.getWriter(); out.println("Bye " + name); } }</pre>

Output:

