

EXPERIMENT 2.2

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Section/Group: MCD-1/A

Semester: 2ND

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Subject Name: Advanced Internet Programming

Subject Code: 22CAP-686

The task to be done:

Create the Registration, login, and logout module with a session in servlet.

Objective: -

Create the session object and cookie to track the user details.

Algorithm:

Step 1: Create the
session object.

Step 2: Create the
cookie object.

Step 3: Track the user details and display it.

1) Steps for experiment/practical: copy and paste your code here/screenshots

index.html

```
<form action="servlet1"
method="post"> Name:<input
type="text" name="userName"/><br/>
```

```
<input type="submit" value="go"/>
```

```
</form>
```

```
FirstServlet
```

```
.java import
```

```
java.io.*;
```

```
import
```

```
javax.servle
```

```
t.*;
```

```
import javax.servlet.http.*;
```

```
public class FirstServlet extends HttpServlet {
```

```
public void doPost(HttpServletRequest request, HttpServletResponse  
response){ try{
```

```
response.setContentType("text/ht  
ml"); PrintWriter out =
```

```
response.getWriter(); String
```

```
n=request.getParameter("userNa  
me");out.print("Welcome "+n);
```

```
Cookie ck=new Cookie("uname",n);//creating  
cookie objectresponse.addCookie(ck);//adding  
cookie in the response
```

```
//creating submit button
```

```
out.print("<form  
action='servlet2'>");
```

```
out.print("<input type='submit'  
value='go'>");
```

```
out.print("</form>");
```

```
out.close();
```

```
} catch(Exception e){ System.out.println(e);}
```

```
}
```

```
}
```

SecondServlet.jav

```
a import java.io.*;
```

import

javax.servlet.*;

import javax.servlet.http.*;

```
public class SecondServlet extends HttpServlet {  
public void doPost(HttpServletRequest request, HttpServletResponse  
response){ try{  
response.setContentType("text/ht  
ml"); PrintWriter out =  
response.getWriter();Cookie  
ck[]=request.getCookies();  
out.print("Hello  
"+ck[0].getValue()); out.close();  
}catch(Exception e){System.out.println(e);}  
}  
}
```

web.xml

. <web-app> 2.

<servlet>

<servlet-name>s1</servlet-name>

<servlet-class>FirstServlet</servlet-class>

</servlet> 7.

<servlet-mapping>

<servlet-name>s1</servlet-name>

<url-pattern>/servlet1</url-pattern>

</servlet-mapping> 12.

<servlet>

<servlet-name>s2</servlet-name>

<servlet-class>SecondServlet</servlet-class>

</servlet>

<servlet-mapping>

<servlet-name>s2</servlet-name>

<url-pattern>/servlet2</url-pattern>

</servlet-mapping>



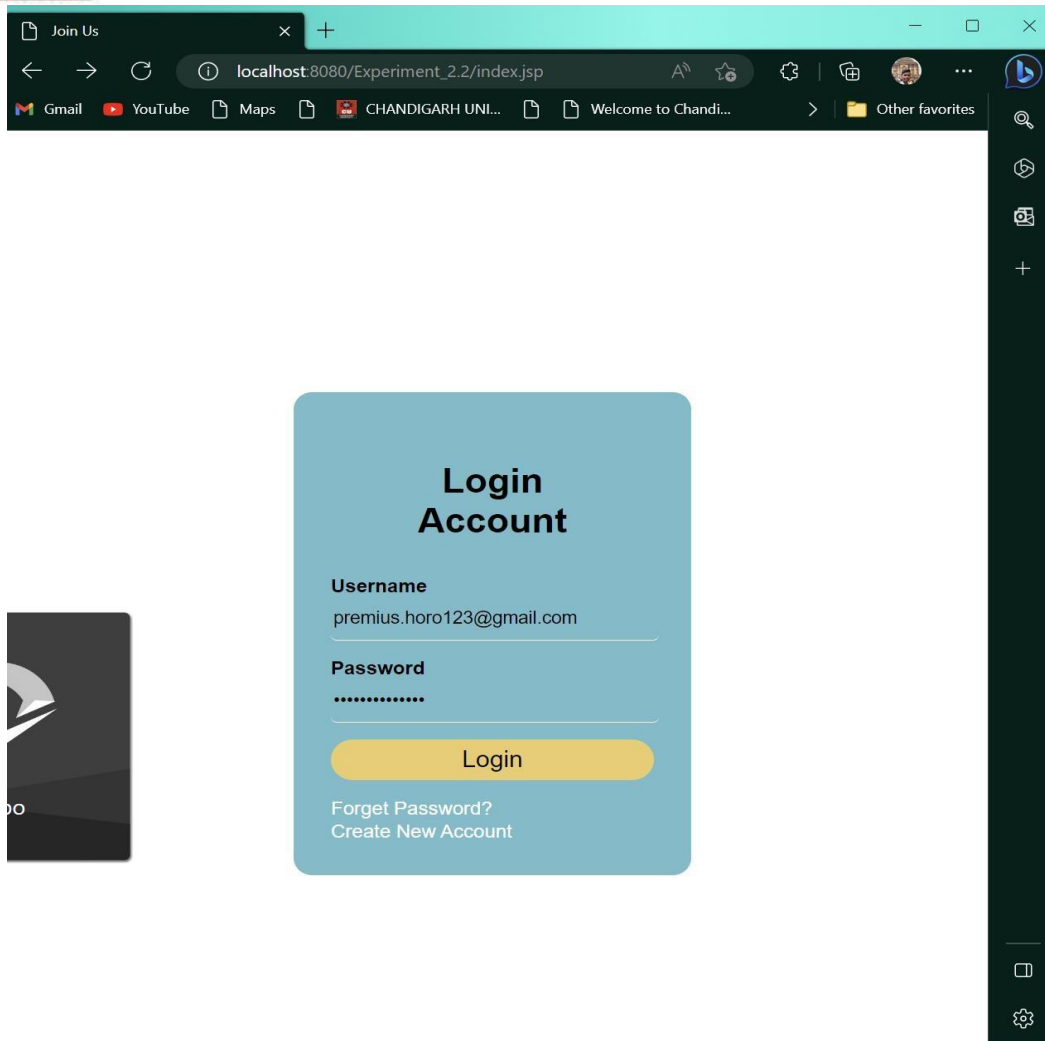
UNIVERSITY INSTITUTE *of*
COMPUTING
Asia's Fastest Growing University

NAAC
GRADE A+
ACCREDITED UNIVERSITY

</web-app>

2) Output (screenshots)

A screenshot of a web browser window. The address bar shows 'localhost:8080/Experiment_2.2/index.jsp'. The browser's toolbar includes icons for back, forward, refresh, and search. Below the address bar, there are several tabs: 'Join Us', 'Gmail', 'YouTube', 'Maps', 'CHANDIGARH UNI...', 'Welcome to Chandi...', and 'Other favorites'. The main content area displays a light blue login form titled 'Login Account'. The form has two input fields: 'Username' with the text 'emmanuel' and 'Password' with masked characters '.....'. Below the password field is an orange 'Login' button. At the bottom of the form, there are links for 'Forget Password?' and 'Create New Account'. The browser's sidebar on the right shows various icons for search, home, and other functions.



Join Us

localhost:8080/Experiment_2.2/index.jsp

Gmail YouTube Maps CHANDIGARH UNI... Welcome to Chandi... Other favorites

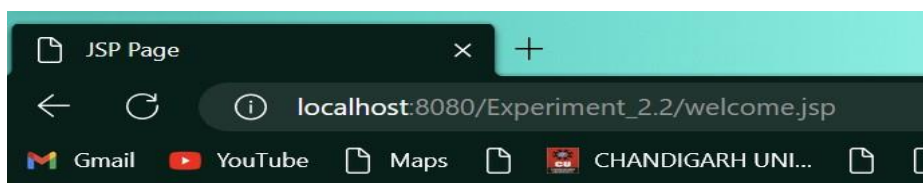
Login Account

Username
premius.horo123@gmail.com

Password
.....

Login

[Forget Password?](#)
[Create New Account](#)



JSP Page

localhost:8080/Experiment_2.2/welcome.jsp

Gmail YouTube Maps CHANDIGARH UNI...

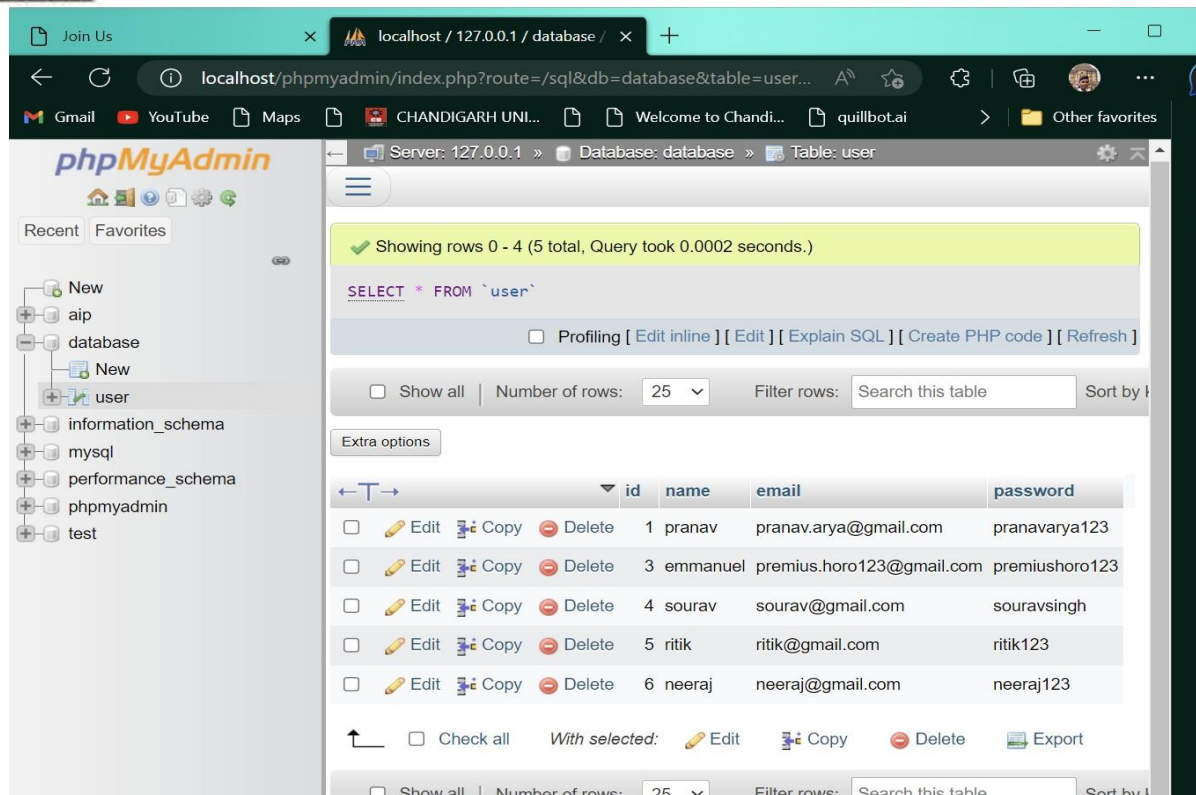
Welcome, emmanuel

Your Account ID: 3

Your Email: premius.horo123@gmail.com

Your Password: premiushoro123

[Log Out](#)



4) Learning outcomes (What I have learned): Times new roman 12 size

- A) CREATE A COOKIE USING THE JAVA SERVLET LIBRARY
- B) TRACK THE SESSION USING COOKIE OBJECTS
- C) ACCESS THE USER CREDENTIALS USING COOKIE

Evaluation Grid:

Sr. No.	Parameters	Marks Obtained	Maximum Marks
1.	Demonstration and Performance (Quiz)		22
2.	Worksheet		8