Siliguri Institute of Technology
Master of Computer Application
Web Enabled JAVA Programming (MCAN-E394B)
Lab Assignment-2

Implement the following web applications using JSP.

Q1.A web application that takes a name as input and on submit it shows a hello <name> page where name is taken from the request. It shows the start time at the right top corner of the page and provides a logout button. On clicking this button, it should show a logout page with Thank You <name > message with the duration of usage (hint: Use session to store name and time).

Q2.A web application that lists all cookies stored in the browser on clicking "List Cookies" button.

Q3.A web application that takes name and age from an HTML page. If the age is less than 18, it should send a page with "Hello <name>, you are not authorized to visit the site" message, where
<name> should be replaced with the entered name. Otherwise, it should send "Welcome
<name> to this site" message.

Q4.User Authentication:
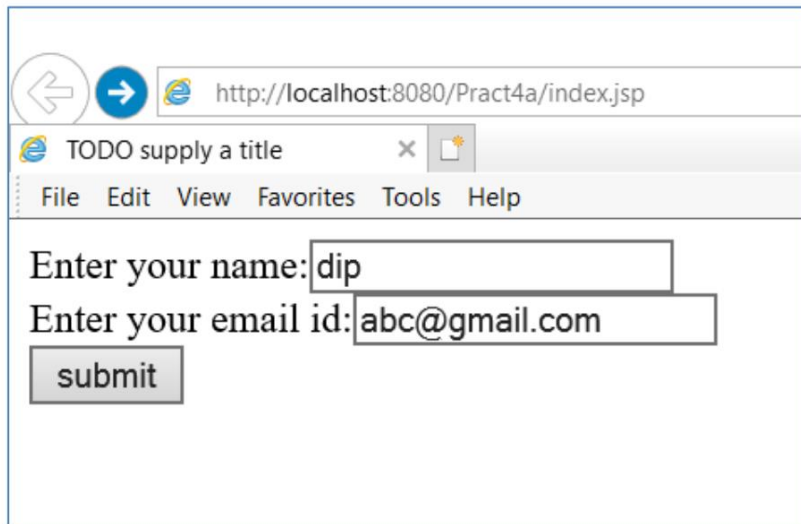
Use Oracle Database to store the credentials.

A user validation web application, where the user submits the login name & password to the server. The name and password are checked against the data already available in Database and if the data matches, a successful login page is returned.

Otherwise failure message is shown to the user.

Q5. Write a code to check whether given mail ID is valid or not. Mail ID should contain exactly one @ symbol , atleast one Dot(.) symbol and atleast two characters in between "@" & "." and after "."

Q6. Develop a simple JSP application to display values obtained from the use of intrinsic objects of various types.

OUTPUT:

Use of Intrinsic Objects in JSP

Request Object

Query Stringmyname=dip&mymailid=abc@gmail.com
Context Path/Pract4a
Remote Host0:0:0:0:0:0:0:1

Response Object

Character Encoding TypeUTF-8
Content Type text/html;charset=UTF-8
Locale en_IN

Session Object

ID02fd5efd34e89e78932ab582688b
Creation TimeThu Oct 04 23:16:08 IST 2018
Last Access TimeThu Oct 04 23:16:23 IST 2018

Type here to search

11:16 PM
04-10-2018

Q7. Create an html page with fields empid, name, age, desg, salary. Now on submit this data to a JSP page which will update the employee table of database with matching eno and display a message "Updating Success" or "Updating Error".

Q8. Create JSP page(s) to demonstrate the use of JSTL functions.

The following tags are included in the JSTL function tag library :
- boolean contains(String, String)
- boolean containsIgnoreCase(String, String)
- boolean endsWith(String, String)
- String escapeXml(String, String)
- int indexOf(String, String)
- String join(String[], String)
- int length(Object)

- String replace(String, String, String)
- String[] split(String, String)
- boolean startsWith(String, String)
- String substring(String, int, int)
- String substringAfter(String, String)
- String substringBefore(String, String)
- String toLowerCase(String)
- String toUpperCase(String)
- String trim (String)

Q9. Create a JSP page(s) to demonstrate the use of JSTL core tags:
The following tags are included in the JSTL Core tag library:
- catch
- choose
- if
- import
- forEach
- forTokens
- out
- otherwise
- param
- redirect
- remove
- set
- url
- when

Q10. To create a three-tier application for displaying student mark list using JSP and database.

Steps:

I. Design the HTML page (stud.html) with the following

a) Create a form to get the input (Register Number) from the user.

b) Set the URL of the server (marklist.jsp) as the value of the action attribute.

c) Use submit button to invoke the server and send the form data to the server.

II. Create the JSP file with the following

a) Read the parameter value (Register Number) from the form by using the method getParameter().

b) Server retrieves the details from the database table with respect to the form input.

c) Server displays the mark list to the client as the response.