	Sakshi Anii Fokane (TE-A-42)
	Assignment No: 5
- mmor	down aninor somethin portions
	Time: - JSP, Sexulet & Mysal (Botto)
	Objectives:
1 20	1) Understand about basic concept OF HIML, ess.
	2) understand the basic function
2 1911	lities of JSP
	3) Mauing the knowledge of sac
	query to exect the database
*	
	Design & build student login
	page wing JSP sexulet & Mysgr. 2) Design & build Employee login
	page using JSP Sexulet & Mysal.
9 2 75 22 0	projection of the second of th
ediction	Outcomes
	Student will be able to
aima	") Develop a dynamic mub page
	using JSP, HIML & Senviel
9910	2) muite a server side jana
- 007	application called sexulet to
	catch the data sent from elient,
	process it & state it on db(Mysq)
A STATE OF THE STA	3) muite a server side jana aff
Bokuss	culled JSP to catch from data sec
AND PORTS	from client & store it oo
190	dbC Mysau)
	Soonnad by Tan Soon

	Page No. Date
1-	Software needed:
\	1) Any operating System 2) JOK For laver
_	2) JOK For laver
	3) Editors Nethennel Ellis
	4) web browser
30	A Design of the Abone anions to
_	Theory:
	Jana Server Page (JSP), 9t is a
	Server Side programing technology. That is used to weater dynamic
-	that is used to weater dynamic
10 10	Web based application. J3P have 1
18800	suight to use the complete iqua
	Appters A including the JDBC API
	to access the database.
	JSP tags can be used for different
100000	purpose such as retriving inform-
BOTTA!	ation form a database or re-
- 3	gistering user preference, access-
-	ing Tava Beans Component,
	passing conmol between pages,
	and shaving information between
	request, pages, etc.
*	Why we need JSP?
-	JSP Used for the design of dynamic
~	JSP used for the design of dynamic meb pages & servict is used to code the logic that is present.
1	the logic that is present.
*	Architecture of JSP:-
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	1) The request susponse part of JSP
	Soonnod by TonSoon

	Page No. Date
	is défined below architecture
	2) the client initiated request for
	JSP file using browser.
	3) Now serviet class is deaded
	by me container & execute it
	4) Engine sends the response
	back to the client.
	JEN (927) BOND RAWHOR DUNT
upolonn.	Serviet:
Coimon	A Servet is a server side proq
Picture!	& written in jana serule isa
DND	nub component that is developed
1990	on the server for executing the
	dynamic web pages.
different	LA La de Contract 987
1-000030i	Technology Tool: - 1) Netbeans netbean
- 77	is an IDE used for quicking & casily
-2200013	developing java desktop, mobile &
1	mesapplications as mull as HTMLS
4901	appl'min HTML.
Aggards	e) Mysq1: Mysq1 is en Freely auaila-
	ble open source relational Databa
4	Management System.
*	It uses the Structured query language
Lynonys	Johnson M. Bour Deli
ج د د د د د د د د د د	3) 592 is the most popular language for
	adding assereing & managing data indb
*	Condusion: Hence, me have performed
931/10	the dyanamic mes application using JSP, Serulet & Mysog L.
	Scanned by TanScann

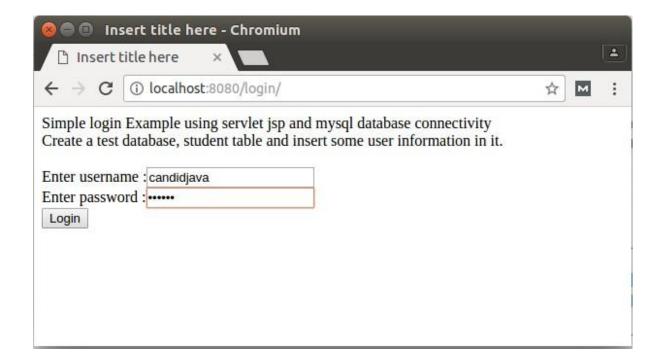
```
Name: Fokane Sakshi A
Roll no: 42
Te A
Assignment 5
Design and Build Student Login Page using JSP, Servlet and
MySQL.
Login page (login.jsp)
<%@ page language="java" contentType="text/html; charset=ISO-</pre>
8859-1" pageEncoding="ISO-8859-1" %>
<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"</pre>
"http://www.w3.org/TR/html4/loose.dtd">
<html>
<head>
    <meta http-equiv="Content-Type" content="text/html;</pre>
charset=ISO-8859-1">
    <title>Insert title here</title>
</head>
<body>
Simple login Example using servlet jsp and mysql (mariadb)
database connectivity
<br> Create a test database, student table and insert some
user
information in it.
\langle br \rangle
\langle br \rangle
<form action="LoginController" method="post">
    Enter username :<input type="text" name="username"> <br>
    Enter password :<input type="password"</pre>
name="password"><br>
    <input type="submit" value="Login">
```

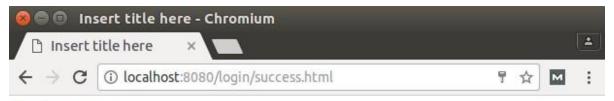
```
</form>
</body>
</html>
Login controller (LoginController.java)
package com.candid;
import java.io.IOException;
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import java.sql.SQLException;
import javax.servlet.ServletException;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
@WebServlet("/LoginController")
public class LoginController extends HttpServlet {
  protected void doPost(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException {
    String un = request.getParameter("username");
    String pw = request.getParameter("password");
// Connect to mysql(mariadb) and verify username password
```

```
try {
      Class.forName("org.mariadb.jdbc.Driver");
// loads driver
      Connection c = DriverManager.getConnection("jdbc:mariadb://localhost:3306/test", "root",
"root"); // gets a new connection
      PreparedStatement ps = c.prepareStatement("select userName,pass from student where
userName=? and pass=?");
      ps.setString(1, un);
      ps.setString(2, pw);
      ResultSet rs = ps.executeQuery();
      while (rs.next()) {
        response.sendRedirect("success.html");
        return;
      }
      response.sendRedirect("error.html");
      return;
    } catch (ClassNotFoundException | SQLException e) {
      e.printStackTrace();
    }
  }
}
```

success page (success.html)

```
<!DOCTYPE html>
<html>
<head>
  <meta charset="ISO-8859-1">
  <title>Insert title here</title>
</head>
<body>
Login success
</body>
</html
error page (error.html)
<!DOCTYPE html>
<html>
<head>
  <meta charset="ISO-8859-1">
  <title>Insert title here</title>
</head>
<body>
Invalid username or password, Please try again with valid
</body>
</html>
```





Login success

