

INTERNET AND WEB PROGRAMMING

LAB-5(JSP AND JAVA SERVLET)

**Q. Develop a Login name as shown below. Perform Server side validation using JSP and Java Servlets**

**Enter Username :**

**Enter Password :**

Login

**USING JAVA SERVLETS**

**1. index.html**

```
<!DOCTYPE html>
```

```
<html>
```

```
<body>
```

```
<form action="demoservlet">
```

```
<span>Enter Username:</span>
```

```
<input type="text" name="uname"><br><br><br>
```

```
<span>Enter Password:</span>
```

```
<input type="text" name="pass"><br><br><br>
```

```
<input type="Submit" name="Submit" value="Login">
```

```
</html>
```

## 2. demoservlet.java

```
import java.io.IOException;

import java.io.PrintWriter;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.ResultSet;

import java.sql.Statement;

import javax.servlet.ServletException;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;


public class demoservlet extends HttpServlet {


    protected void processRequest(HttpServletRequest request, HttpServletResponse
response)throws ServletException, IOException {

        response.setContentType("text/html");

        PrintWriter out = response.getWriter();

        Connection conn = null;

        try {

            String uname = request.getParameter("uname");

            String pass = request.getParameter("pass");

            String userName = "scse";

            String password = "scse";

            String url = "jdbc:mysql://localhost/todo";
```

```

        Class.forName("com.mysql.jdbc.Driver").newInstance();

        conn = DriverManager.getConnection(url, userName, password);

        Statement s = conn.createStatement();

        s.executeQuery("SELECT * FROM register1 where uname = '" + uname + "' && pass = '" +
pass + "' ");

        ResultSet rs = s.getResultSet();

        if (rs.next())

        {

            out.println("Login Successful!");

        }

        else

        {

            out.println("Invalid Login!");

        }

rs.close();

s.close();

} catch (Exception e) {

out.println(e.toString());

}

finally {

out.close();

if (conn != null) {

    try {

        conn.close();

        out.println("Database connection terminated");

    } catch (Exception e) {

```

```

    }

}

}

}

}

```

## OUTPUT:

### ➤ MySQL Database:

```

c:\wamp64\bin\mysql\mysql5.7.19\bin\mysql.exe
Enter password: *****
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 196
Server version: 5.7.19 MySQL Community Server (GPL)

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affiliates. Other names may be trademarks of their respective
owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> show databases;
+-----+
| Database |
+-----+
| information_schema |
| ex          |
| mysql       |
| new         |
| performance_schema |
| sys        |
| todo       |
+-----+
7 rows in set (0.00 sec)

mysql> use todo;
Database changed
mysql> create table register1(uname varchar(20),pass varchar(20));
Query OK, 0 rows affected (0.01 sec)

mysql> insert into register1 values('Vinay','123');
Query OK, 1 row affected (0.00 sec)

mysql> insert into register1 values('Aditya','456');
Query OK, 1 row affected (0.00 sec)

mysql> insert into register1 values('Raghu','987');
Query OK, 1 row affected (0.00 sec)

```

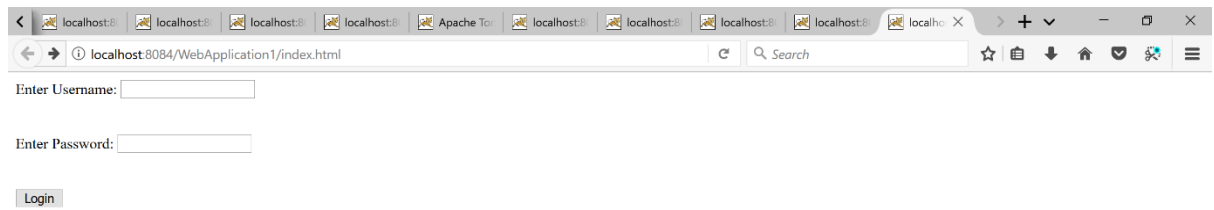
```

mysql> select *from register1;
+-----+-----+
| uname | pass |
+-----+-----+
| Vinay | 123  |
| Aditya | 456  |
| Raghu | 987  |
| Praveen | 991  |
+-----+-----+
4 rows in set (0.00 sec)

mysql>

```

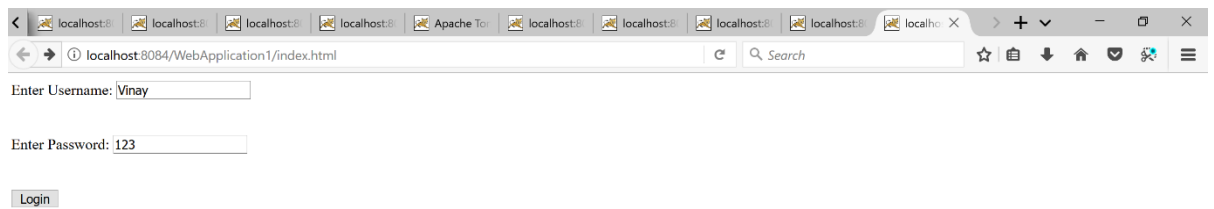
## ➤ Login Page:



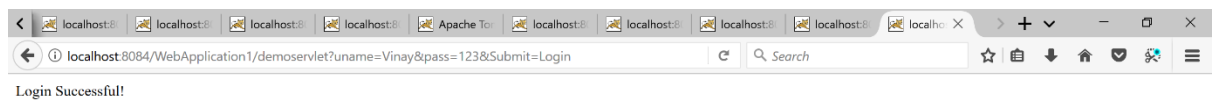
A screenshot of a web browser window showing the login page of a web application. The browser's address bar displays 'localhost:8084/WebApplication1/index.html'. The page contains two input fields: 'Enter Username:' and 'Enter Password:'. Below these fields is a 'Login' button.

## ➤ Result

### ❖ When login is valid:

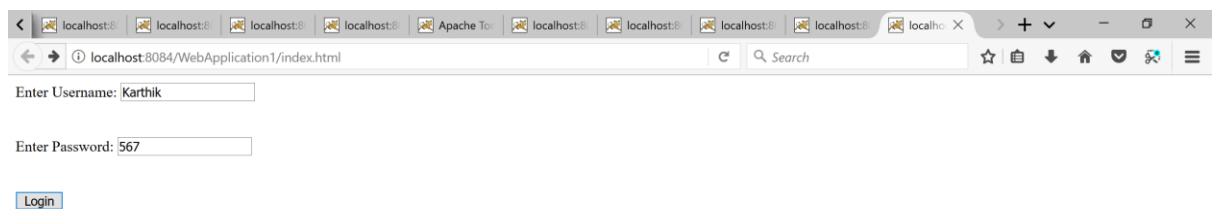


A screenshot of the same login page, but with the username 'Vinay' entered in the 'Enter Username:' field and the password '123' entered in the 'Enter Password:' field. The 'Login' button is still visible.

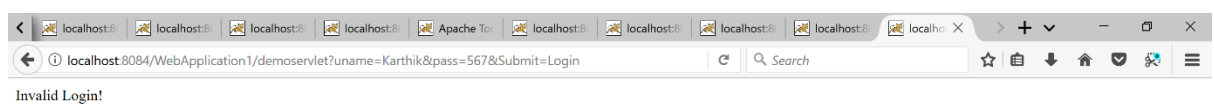


A screenshot of the web browser window showing the result of a successful login. The address bar now displays 'localhost:8084/WebApplication1/demoservlet?uname=Vinay&pass=123&Submit=Login'. Below the browser window, the text 'Login Successful!' is displayed.

### ❖ When Login is Invalid:



A screenshot of the login page with the username 'Karthik' entered in the 'Enter Username:' field and the password '567' entered in the 'Enter Password:' field. The 'Login' button is highlighted with a blue border.



A screenshot of the web browser window showing the result of an invalid login attempt. The address bar displays 'localhost:8084/WebApplication1/demoservlet?uname=Karthik&pass=567&Submit=Login'. Below the browser window, the text 'Invalid Login!' is displayed.

## USING JSP:

**index.html:**

```
<!DOCTYPE html>

<html>

<head>

    <title>LOGIN</title>

</head>

<body>

<form action="newjsp.jsp" method="POST">

    Enter Username: <input type="text" name="username"><br><br>

    Enter password: <input type="text" name="pass"><br><br>

    <input type="submit" name="button" value="Login">

</form>

</body>

</html>
```

**newjsp.jsp**

```
<html>

<head>

    <%@page contentType="text/html" pageEncoding="UTF-8"%>

</head>

<body>

    <%

        String username=request.getParameter("username");

        String password=request.getParameter("pass");

        if(username.equals("vinay") && password.equals("reddy"))

        {
```

```
        out.println("Login Successful!");
    }
else
{
    out.println("Invalid Credentials!");
}
%>

</body>

</html>
```

## OUTPUT:

