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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

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

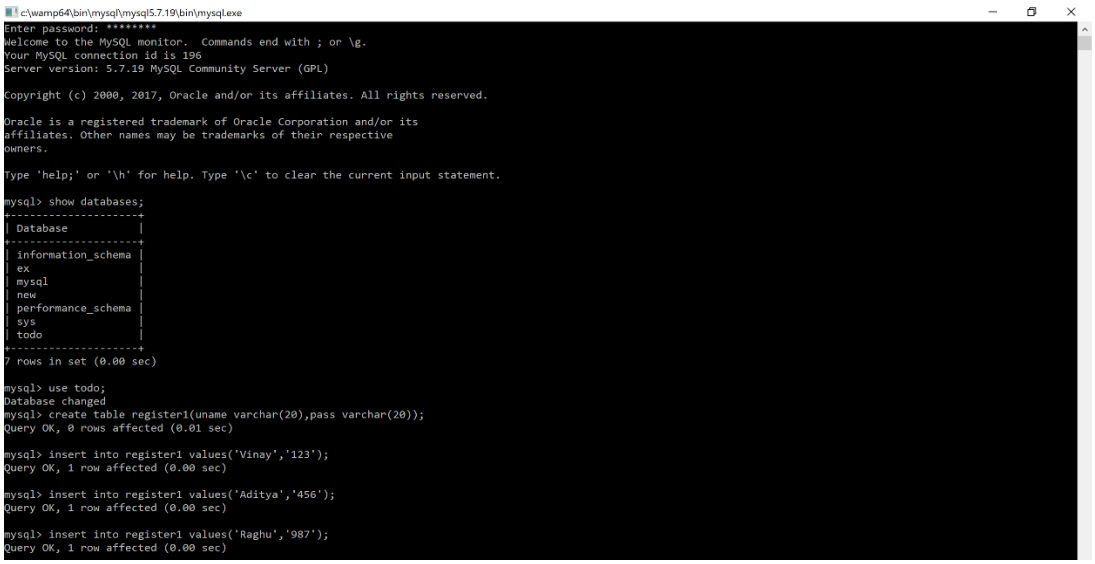
```
import java.io.IOException;
import java.io.PrintWriter;
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.ResultSet;
import java.sql.Statement;
import javax.servlet.ServletException;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import 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)
```
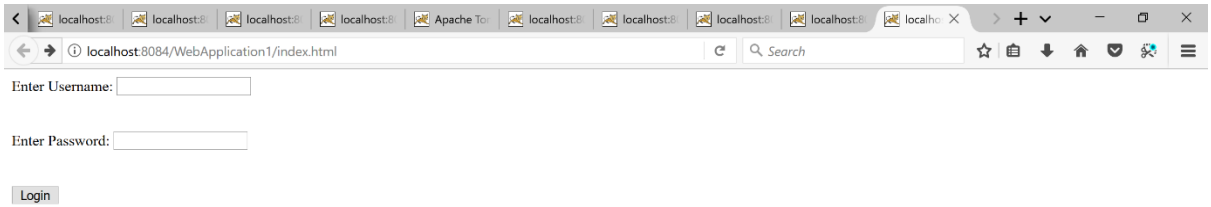
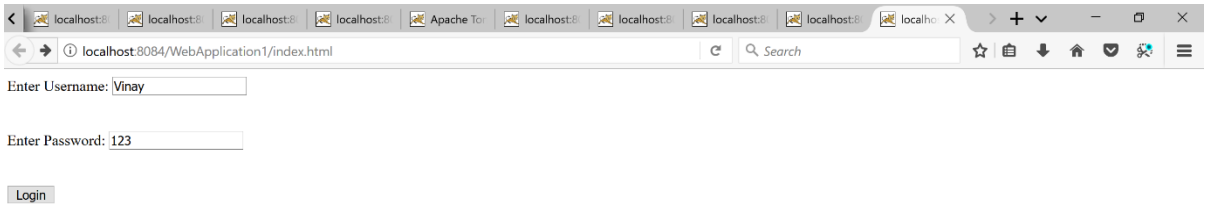

```
mysql> select *from register1;
+---------+------+
| uname   | pass |
+---------+------+
| Vinay   | 123  |
| Aditya  | 456  |
| Raghu   | 987  |
| Praveen | 991  |
+---------+------+
4 rows in set (0.00 sec)

mysql>
```

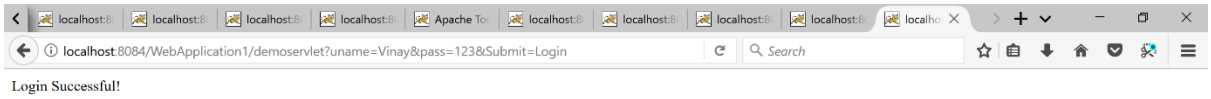
- **Login Page:**



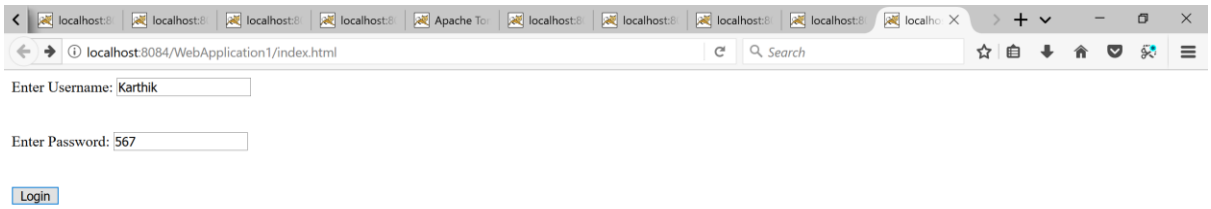
- **Result**

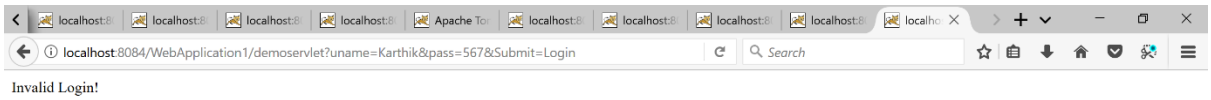
❖ **When login is valid:**





❖ **When Login is Invalid:**





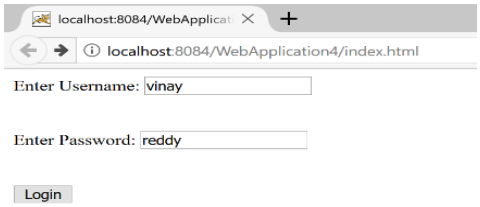
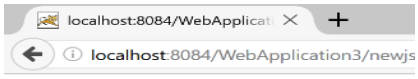
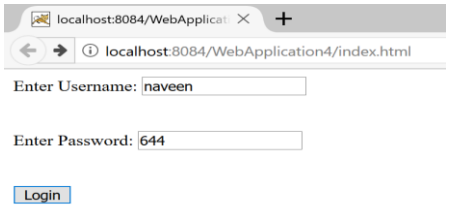
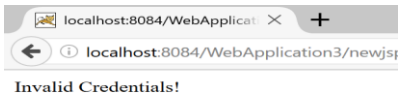
USING JSP:

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: