# **Enterprise Java**

**Practical**

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Practical 1a)

**Index.html** –

Code: -

<html><head><title>Calculator App </title></head><body>

<form action="CalculateServlet" >

Enter First Number <input type="text" name="txtN1" ><br>

Enter Second Number <input type="text" name="txtN2"

><br>

Select an Operation

<input type="radio" name="opr" value="+">ADDTION

<input type="radio" name="opr" value="-">SUBSTRACTION

<input type="radio" name="opr" value="\*">MULTIPLY

<input type="radio" name="opr" value="/">DIVIDE <br>

<input type="reset">

<input type="submit" value="Calculate" >

</form></body></html>

################################

**CalculateServlet.java –**

**Code: -**

import java.io.IOException;

import java.io.PrintWriter;

import javax.servlet.ServletException;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

public class CalculateServlet extends HttpServlet {

public void doGet(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

response.setContentType("text/html;charset=UTF-8");

PrintWriter out = response.getWriter();

out.println("<htmi><head><title>Serviet CalculatorServiet</title></head><body>");

double n1 = Double.parseDouble(request.getParameter("txtN1"));

double n2 = Double.parseDouble(request.getParameter("txtN2"));

double result =0;

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

if(opr.equals("+")) result=n1+n2; if(opr.equals("-")) result=n1-n2;

if(opr.equals("\*")) result=n1\*n2; if(opr.equals("/")) result=n1/n2;

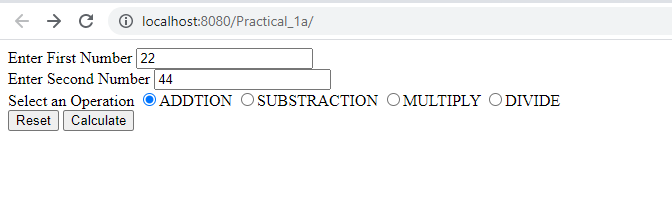
out.println("<h1> Result = "+result); out.println("</body></html>");

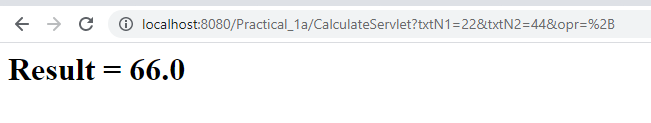
}

}

**Output: - Practical 1a)**

**Input value**





**########################### Practical 1b #################################**

**Q. Create a servlet for a Login page. If the username and password are correct then it says message "Hello<username>" else a message "login failed".**

**Code:**

**Index.html**

<html>

<head>

<title>Login Form </title>

</head>

<body>

<form action="LoginServlet" >

Enter User ID <input type="text" name="username" ><br>

Enter Password <input type="Password" name="Password"><br>

<input type="reset">

<input type="submit" value="Click to Login" >

</form>

</body

</html>Top of Form

**LoginServlet.java**

import java.io.IOException;

import java.io.PrintWriter;

import javax.servlet.ServletException;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

public class LoginServlet extends HttpServlet {

public void doGet(HttpServletRequest request, HttpServletResponse response)

throws IOException{

response.setContentType("text/html;charset=UTF-8");

try (PrintWriter out = response.getWriter()) {

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

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

if(uname.equals("admin") && Password.equals("12345"))

{

out.println("<body bgcolor=blue> ");

out.println("<h1>Welcome !!! " + uname);

}

else

{

out.println("<body bgcolor=red>");

out.println("<h1>Login Failed");

}

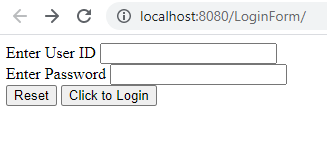
}

}

}

**Output:**

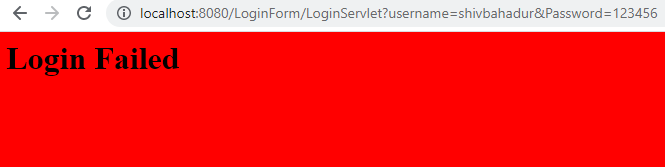
**Login form**



**Login successful**



**Login failed**



############################ Practical -1c #################################

**Q**. **Create a registration servlet in java using JDBC. Accept the details such as Username, Password, Email, and Country from the user using HTML Form and store the registration details in the database.**

Code:-

**Index.html -**

<!DOCTYPE html>

<html><head><title>Registration Page</title></head>

<body>

<form action="RegisterServlet" >

<H1>Welcome to Registration page</H1>

Enter User Name <input type="text" name="txtUid"><br>

Enter Password <input type="password" name="txtPass"><br>

Enter Email <input type="text" name="txtEmail" ><br>

Enter Country <input type="text" name="txtCon" ><br>

<input type="reset" ><input type="submit" value="REGISTER" >

</form>

</body>

</html>

**RegisterServlet.java -**

import java.io.IOException;

import java.io.PrintWriter;

import java.sql.\*;

import javax.servlet.ServletException;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

public class RegisterServlet extends HttpServlet {

public void doGet(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

response.setContentType("text/html;charset=UTF-8");

PrintWriter out = response.getWriter();

String id = request.getParameter("txtUid");

String ps = request.getParameter("txtPass");

String em = request.getParameter("txtEmail");

String co = request.getParameter("txtCon");

try{

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

Connection con =DriverManager.getConnection("jdbc:mysql://192.168.59.129:3306/LoginDB?useSSL=false","shiv","shiv@123");

PreparedStatement pst = con.prepareStatement("insert into user values(?,?,?,?)");

pst.setString(1,id);

pst.setString(2,ps);

pst.setString(3,em);

pst.setString(4,co);

int row = pst.executeUpdate();

out.println("<h1>"+row+ " Inserted Succesfullyyyyy");

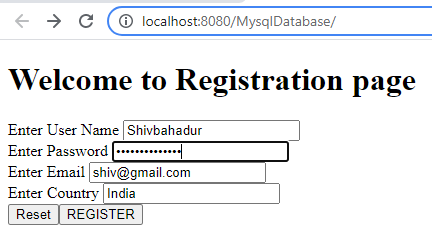
}catch(Exception e){out.println(e);}

}

}

**Output: -**

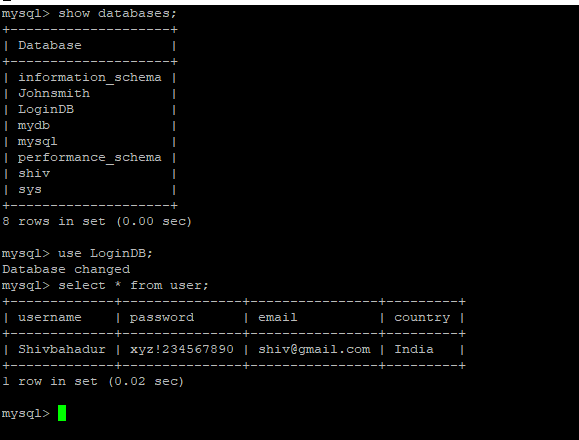
**Input Page-**



**Successful entry in MySQL Database -**

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**MySQL Database Entry Output: -**



Bottom of Form