**Practical C.1**  
**Aim –**Write a servlet to calculate sum of 1 to n. Accept n from html file.

Code:-

NewFile.html

<!**DOCTYPE** html>

<**html**>

<**head**>

<**meta** charset=*"ISO-8859-1"*>

<**title**>Natural Numbers</**title**>

</**head**>

<**body**>

<**form** action=*"SumServlet"*>

<**pre**>

Enter a Number : <**input** type=*"text"* name =*"t1"* />

<**input** type =*"submit"* value=*"Sum"* />

</**pre**>

</**form**>

</**body**>

</**html**>

SumServlet.java

package pc1;

import java.io.IOException;

import java.io.PrintWriter;

import jakarta.servlet.ServletException;

import jakarta.servlet.ServletResponse;

import jakarta.servlet.http.HttpServlet;

import jakarta.servlet.http.HttpServletRequest;

import jakarta.servlet.http.HttpServletResponse;

/\*\*

\* Servlet implementation class SumServlet

\*/

public class SumServlet extends HttpServlet {

private static final long serialVersionUID = 1L;

/\*\*

\* @see HttpServlet#HttpServlet()

\*/

public SumServlet() {

super();

// TODO Auto-generated constructor stub

}

/\*\*

\* @see HttpServlet#doGet(HttpServletRequest request, HttpServletResponse response)

\*/

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

response.setContentType("text/html");

PrintWriter out=response.getWriter();

int n= Integer.parseInt(request.getParameter("t1"));

int sum=0;

for(int i=1;i<=n;i++)

{

sum=sum+i;

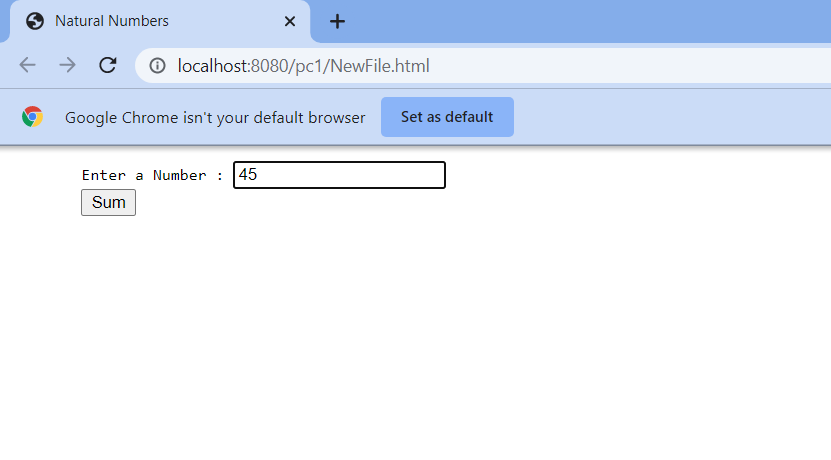
}

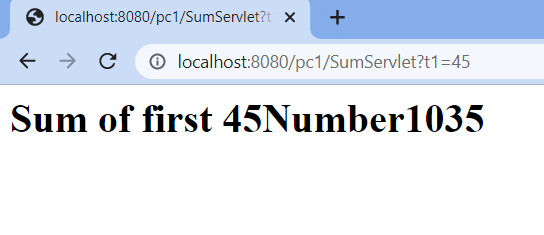
out.println("<h1>Sum of first "+n+"Number"+sum);

}

}

Output:-





**Practical C.2**  
  
**Aim –**Write a servlet that accepts single-valued (Name, Mobile No.) as well as multi-valued (Languages known, Hobbies) parameters like check boxes and multiple selection list boxes from an HTML document and outputs them to the screen.

Code:-

<!**DOCTYPE** html>

<**html**>

<**head**>

<**meta** charset=*"ISO-8859-1"*>

<**title**>Insert title here</**title**>

</**head**>

<**body**>

<**form** action=*"DetailServelt"*>

<**pre**>

Enter a Name : <**input** type=*"text"* name =*"t1"* />

Mobile : <**input** type=*"text"* name=*"t2"* />

language : <**input** type=*"checkbox"* name=*"lag"* value=*English*>English <**input** type=*"checkbox"* name=*"lag"* value=*hindi*>Hindi <**input** type=*"checkbox"* name=*"lag"* value=*Marathi*>Marathi

Hobbies : <**select** multiple=*"multiple"* name=*"hob"* size=*3*>

<**option**> Gaming </**option**>

<**option**> Cricket </**option**>

<**option**> Football </**option**>

<**option**> Tracking </**option**>

</**select**>

<**input** type =*"submit"* value=*"Submit"* /> <**input** type = *"Reset"* />

</**pre**>

</**form**>

</**body**>

</**html**>

DetailServelt.java

package pc2;

import java.io.IOException;

import java.io.PrintWriter;

import jakarta.servlet.ServletException;

import jakarta.servlet.http.HttpServlet;

import jakarta.servlet.http.HttpServletRequest;

import jakarta.servlet.http.HttpServletResponse;

/\*\*

\* Servlet implementation class DetailServelt

\*/

public class DetailServelt extends HttpServlet {

private static final long serialVersionUID = 1L;

/\*\*

\* @see HttpServlet#HttpServlet()

\*/

public DetailServelt() {

super();

// TODO Auto-generated constructor stub

}

/\*\*

\* @see HttpServlet#doGet(HttpServletRequest request, HttpServletResponse response)

\*/

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

response.setContentType("text/html");

PrintWriter out=response.getWriter();

String n = request.getParameter("t1");

String m = request.getParameter("t2");

String []lang = request.getParameterValues("lag");

String []hobb = request.getParameterValues("hob");

String msg="<h1>Your details are:<br><hr>Name"+n+"<br>Mobile:"+m;

msg+="<br>Hobbies:";

for(String l:lang)

msg+=l+" ";

msg+="<br>Language:";

for(String h:hobb)

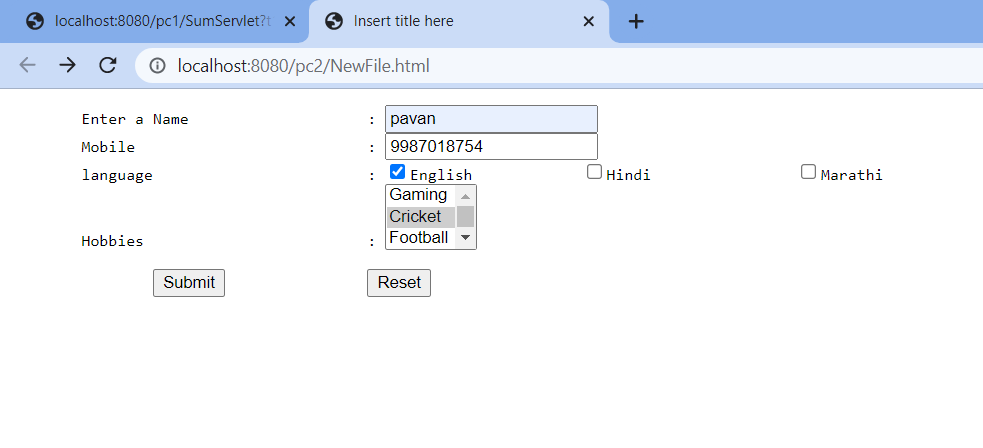
msg+=h+" ";

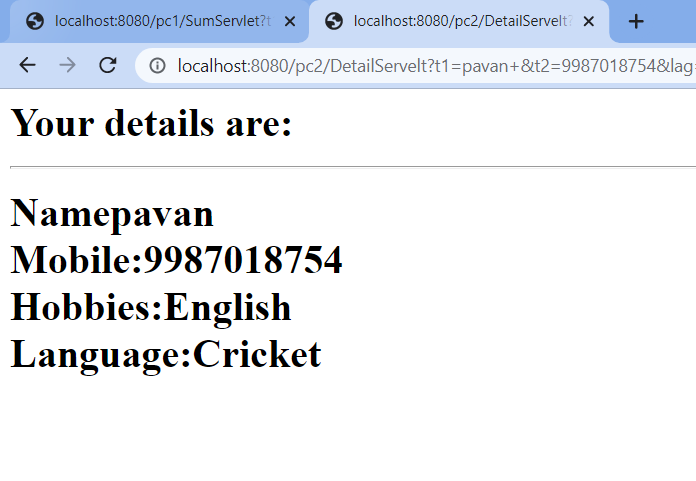
out.println(msg);

}

}

Output:-





**Practical C.3**

**Aim –**Write a servlet that accepts user name and password sent from an html file. If the password equals "secret", the servlet redirects the output to welcome.html or if the password is wrong then it redirects to error.html.

Code:-

Login.html

<!**DOCTYPE** html>

<**html**>

<**head**>

<**meta** charset=*"ISO-8859-1"*>

<**title**>Insert title here</**title**>

</**head**>

<**body**>

<**h1**>Your Login is successful</**h1**>

</**body**>

</**html**>

Login.java

package pc3;

import java.io.IOException;

import jakarta.servlet.ServletException;

import jakarta.servlet.http.HttpServlet;

import jakarta.servlet.http.HttpServletRequest;

import jakarta.servlet.http.HttpServletResponse;

/\*\*

\* Servlet implementation class Login

\*/

public class Login extends HttpServlet {

private static final long serialVersionUID = 1L;

/\*\*

\* @see HttpServlet#HttpServlet()

\*/

public Login() {

super();

// TODO Auto-generated constructor stub

}

/\*\*

\* @see HttpServlet#doGet(HttpServletRequest request, HttpServletResponse response)

\*/

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

String n=request.getParameter("t1");

String pwd=request.getParameter("t2");

response.setContentType("text/html");

if(n.equals("pavan") && pwd.equals("prasad") ) {

response.sendRedirect("Success.html");

}else {

{

response.sendRedirect("Error.html");

}

}

}

}

Error.html

<!**DOCTYPE** html>

<**html**>

<**head**>

<**meta** charset=*"ISO-8859-1"*>

<**title**>Error</**title**>

</**head**>

<**body**>

<**h1**>Your Login id or password is error</**h1**>

</**body**>

</**html**>

Successful.html

<!**DOCTYPE** html>

<**html**>

<**head**>

<**meta** charset=*"ISO-8859-1"*>

<**title**>Insert title here</**title**>

</**head**>

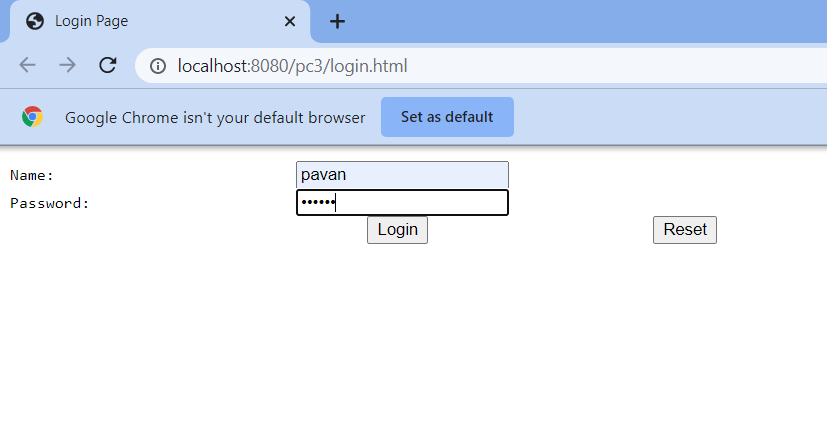
<**body**>

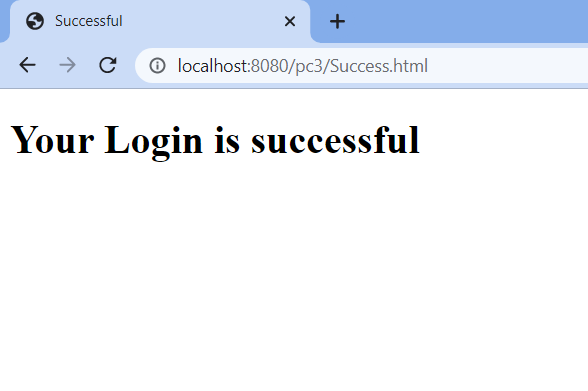
<**h1**>Your Login is successful</**h1**>

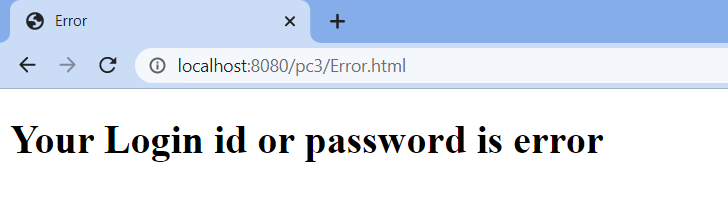
</**body**>

</**html**>

Output:-







**Practical C.4**

**Aim –**Write a servlet which allow user to add new record to table login.  Accept values of username and password from html file.

Code:-

Add.html

<!**DOCTYPE** html>

<**html**>

<**head**>

<**meta** charset=*"ISO-8859-1"*>

<**title**>Save</**title**>

</**head**>

<**body**>

<**form** action=*"Save"*>

<**pre**>

Name: <**input** type=*"text"* name=*"t1"*/>

Password: <**input** type =*"password"* name=*"t2"*/>

<**input** type=*"submit"* value=*"Save"*/> <**input** type=*"Reset"* value=*"Reset"*/>

</**pre**>

</**form**>

</**body**>

</**html**>

Save.java

package pc4;

import java.io.IOException;

import java.io.PrintWriter;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.PreparedStatement;

import jakarta.servlet.ServletException;

import jakarta.servlet.http.HttpServlet;

import jakarta.servlet.http.HttpServletRequest;

import jakarta.servlet.http.HttpServletResponse;

/\*\*

\* Servlet implementation class Save

\*/

public class Save extends HttpServlet {

private static final long serialVersionUID = 1L;

/\*\*

\* @see HttpServlet#HttpServlet()

\*/

public Save() {

super();

// TODO Auto-generated constructor stub

}

/\*\*

\* @see HttpServlet#doGet(HttpServletRequest request, HttpServletResponse response)

\*/

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

response.setContentType("text/html");

String n=request.getParameter("t1");

String pwd=request.getParameter("t2");

PrintWriter pw= response.getWriter();

try

{

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

Connection con = DriverManager.getConnection("jdbc:mysql://localhost/news","root","12345678");

System.out.println("Connection created");

PreparedStatement ps=con.prepareStatement("insert into login values(?,?)");

ps.setString(1,n);

ps.setString(2,pwd);

pw.print("<h1>Hi "+n+"</h1><br>Record Updated Sucessfully....");

ps.close();

con.close();

}

catch(Exception e1) {

System.out.println(e1);

}

}

}

Output:-

