**1a) PROGRAM TO DEMONSTRATE CSS**

<!DOCTYPE html>

<html>

<body style="background-color:black;color:white;">

<p style ="font-size:100px;">

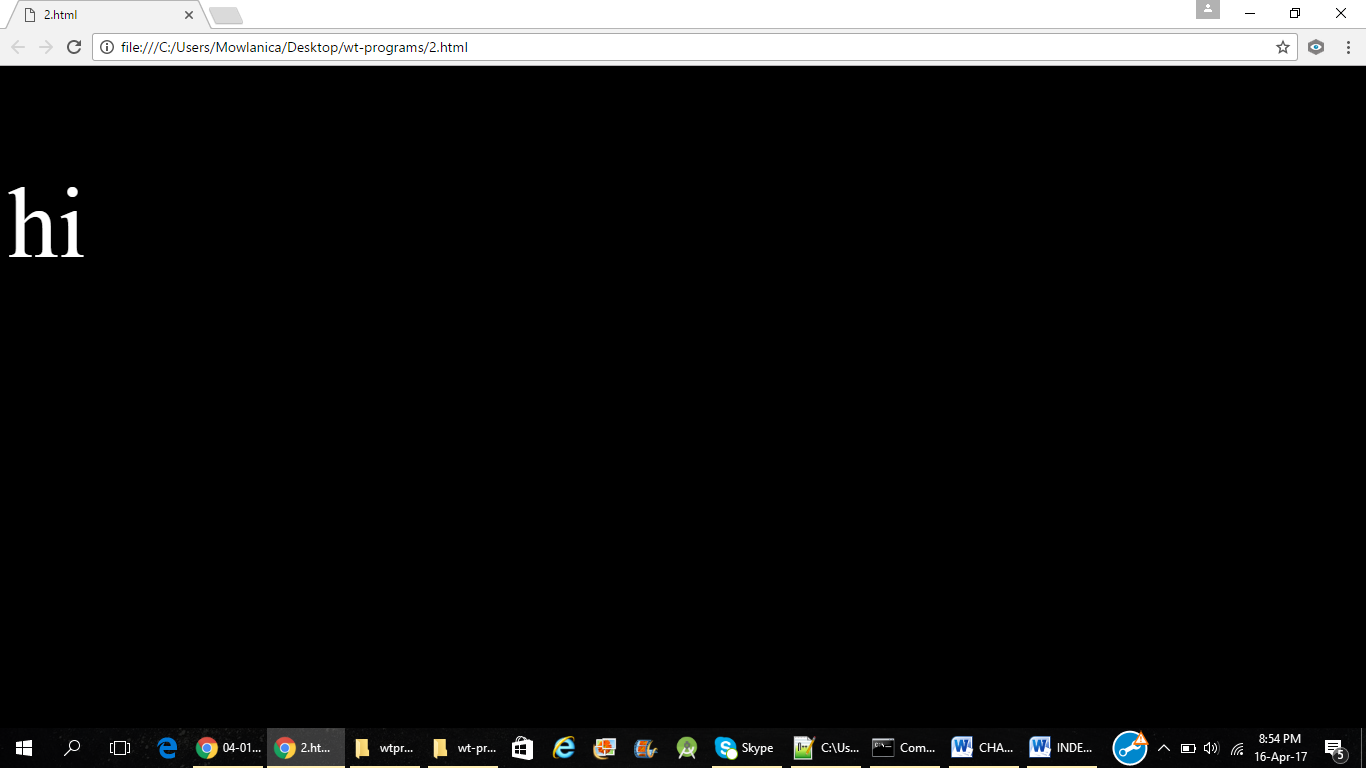
hi

</p>

</body>

</html>

Output:



**.**

**b)PROGRAM FOR USER INPUT VALIDATION (EMAIL VALIDATION)**

<!DOCTYPE html>

<html>

<head>

<script>

function validate()

{

var x=document.getElementById("t1").value;

var y=/^[a-z|A-Z]{5,15}\@[a-z]{3,10}\.[a-z]{3}/;

if (x.match(y))

{

alert ("email is valid");

}

else {

alert("email is not valid");

}

}

</script>

</head>

<body>

<form>

email:<input type ="text" id="t1">

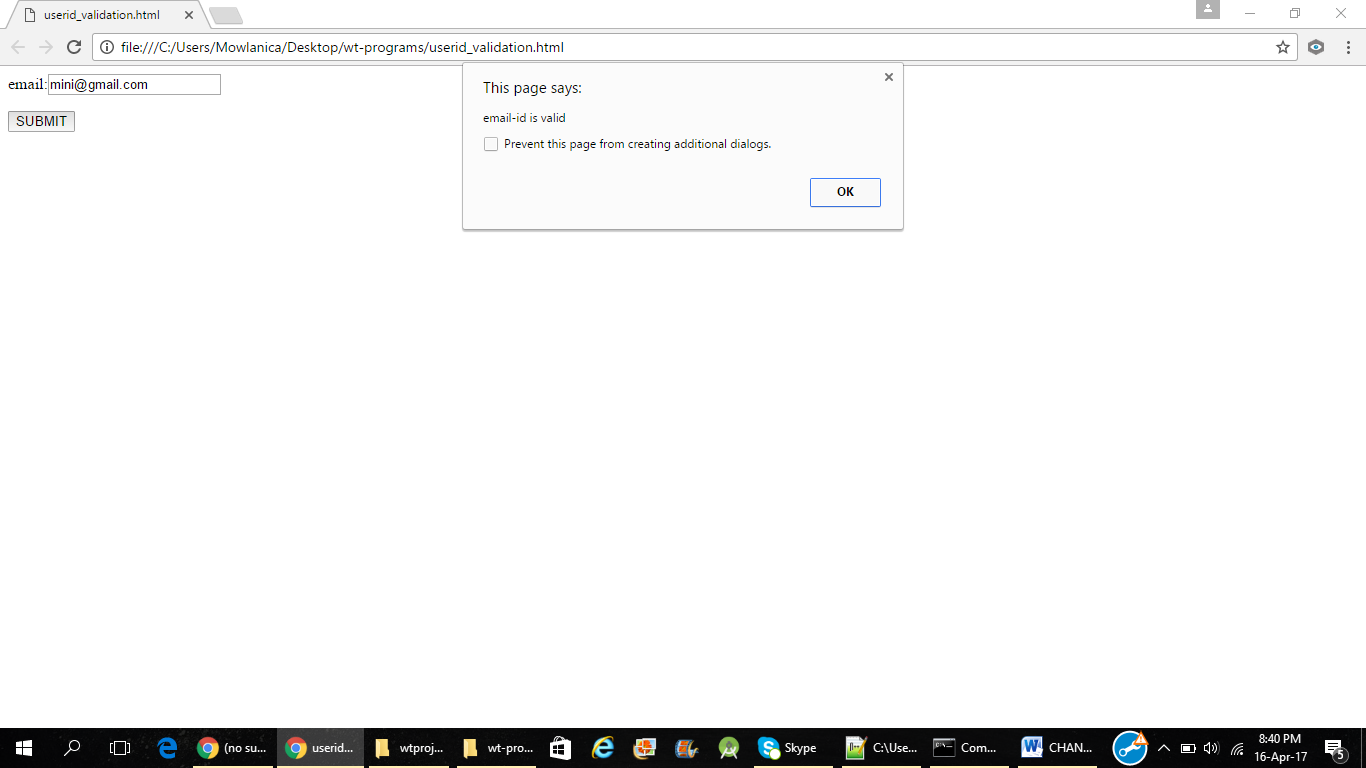
</form>

<button type ="button " onclick="validate()">validate</button>

</body>

</html>

Output:



**c)PROGRAM TO DEMONSTRATE FILTERS**

Displaycount.java

import java.io.\*;

import javax.servlet.\*;

import javax.servlet.http.\*;

public class Displaycount extends HttpServlet

{

public void doGet(HttpServletRequest req,HttpServletResponse res) throws IOException,ServletException

{

res.setContentType("text/html");

PrintWriter out=res.getWriter();

ServletContext context=getServletContext();

Integer count=(Integer)context.getAttribute("count");

out.println("<html>");

out.println("<meta http-equiv=\"Pragma\" content=\"no-cache\">");

if(count!=null)

{

out.println("welcome:count-value is"+count);

}

else

out.println("sorry,count not available");

out.println("</html>");

}

}

Filtercount.java

import javax.servlet.\*;

import javax.servlet.http.\*;

import java.io.\*;

public class Filtercount implements Filter

{

FilterConfig config;

public void init(FilterConfig config)

{

this.config=config;

}

public void doFilter(ServletRequest req, ServletResponse res,FilterChain chain) throws IOException,ServletException

{

ServletContext context=config.getServletContext();

Integer count= (Integer) context.getAttribute("count");

if(count==null)

{

count=new Integer(0);

}

count=new Integer(count.intValue()+1);

context.setAttribute("count",count);

chain.doFilter(req,res);

}

public void destroy()

{}

}

web.xml

<web-app>

<context-param>

<param-name>count</param-name>

<param-value>null</param-value>

</context-param>

<servlet>

<servlet-name>Displaycount</servlet-name>

<servlet-class>Displaycount</servlet-class>

</servlet>

<servlet-mapping>

<servlet-name>Displaycount</servlet-name>

<url-pattern>/Displaycount</url-pattern>

</servlet-mapping>

<filter>

<filter-name>Filtercount</filter-name>

<display-name>Filtercount</display-name>

<filter-class>Filtercount</filter-class>

</filter>

<filter-mapping>

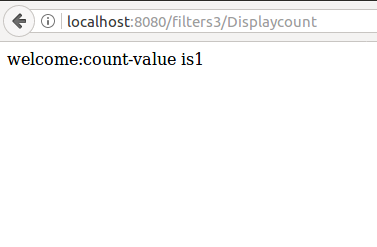
<filter-name>Filtercount</filter-name>

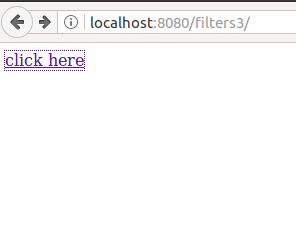
<url-pattern>/index.html</url-pattern>

</filter-mapping>

</web-app>

OUTPUT :





2)**Write a program to demonstrate HTML formatting tags**

<html>

<head>

<title>Basic</title>

</head>

<body>

<h1> welcome </h1>

<p><font size="18" color="red">this is <b>paragraph</b></p>

</body>

2)b jdbc servlet

Details.html

<html>

<body>

<form align=center action="http:\\localhost:8080\rec\Details">

id <input type="text" name="eid"><br>

name <input type="text" name="ename"><br>

job <input type="text" name="ejob"><br>

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

</form>

</body>

</html>

Details.java

import javax.servlet.http.\*;

import javax.servlet.\*;

import java.io.\*;

import java.sql.\*;

import javax.sql.\*;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.ResultSet;

import java.sql.Statement;

import javax.sql.RowSetEvent;

import javax.sql.RowSetListener;

import javax.sql.rowset.JdbcRowSet;

import com.sun.rowset.JdbcRowSetImpl;

public class Details extends HttpServlet

{

public void doGet(HttpServletRequest req,HttpServletResponse res) throws IOException,ServletException

{

res.setContentType("text/html");

PrintWriter out=res.getWriter();

// Integer i=(Integer)req.getParameter("eid");

String i = req.getParameter("eid"), n=req.getParameter("ename"), j=req.getParameter("ejob");

try

{

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

Connection con = DriverManager.getConnection ("jdbc:mysql://localhost:3306/data1","root", "rekha");

PreparedStatement updateemp = con.prepareStatement("insert into emp values(?,?,?)");

updateemp.setString(1,i);

updateemp.setString(2,n);

updateemp.setString(3,j);

updateemp.executeUpdate();

JdbcRowSet jdbcRowSet;

jdbcRowSet = new JdbcRowSetImpl(con);

jdbcRowSet.setType(ResultSet.TYPE\_SCROLL\_INSENSITIVE);

String queryString = "SELECT \*FROM emp WHERE name='"+n+"'";

jdbcRowSet.setCommand(queryString);

jdbcRowSet.execute(); //jdbcRowSet.addRowSetListener(new ExampleListener());

while (jdbcRowSet.next())

{

// int id = jdbcRowSet.getInt("id");

String name = jdbcRowSet.getString("name");

String job = jdbcRowSet.getString("job");

out.println( " " + name+" "+job);

}

}

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

}

}

Web.xml

<?xml version="1.0" encoding="UTF-8"?>

<web-app>

<servlet>

<servlet-name>Details</servlet-name>

<servlet-class>Details</servlet-class>

</servlet>

<servlet-mapping>

<servlet-name>Details</servlet-name>

<url-pattern>/Details</url-pattern>

</servlet-mapping>

</web-app>

**index.html**

<!DOCTYPE html>

<html>

<head>

<title>Print Input</title>

</head>

<body>

<form action="./ShowServlet">

<pre>

Name <input type="text" name="name" />

Gender:<br />

<input type="radio" name="gender" value="male" checked/>Male

<input type="radio" name="gender" value="male" />Female

Languages:

<input type="checkbox" name="lang" value="java" />Java

<input type="checkbox" name="lang" value="python" />Python

<input type="checkbox" name="lang" value="c" />C

<input type="checkbox" name="lang" value="cpp" />Cpp

Select college:

<select name="college">

<option value="cbit">CBIT</option>

<option value="mgit">MGIT</option>

<option value="vasavi">VASAVI</option>

</select>

<input type="submit" value="Get Values" />

</pre>

</form>

</body>

</html>

**ShowServlet.java**

import java.io.\*;

import javax.servlet.\*;

import javax.servlet.http.\*;

public class ShowServlet extends HttpServlet {

public void doGet(HttpServletRequest req, HttpServletResponse res)

throws ServletException, IOException {

String resStr = "";

res.setContentType("text/html");

String name = req.getParameter("name");

String gender = req.getParameter("gender");

String college = req.getParameter("college");

String langs[] = req.getParameterValues("lang");

PrintWriter out = res.getWriter();

out.println("<p>Name : "+ name +" </p>");

out.println("<p>Gender : "+ gender +" </p>");

out.println("<p>College : "+ college +" </p>");

out.println("<p>Languages :</p>");

for(int i=0;i<langs.length;i++){

out.println("<p>"+ langs[i] +"</p>");

}

out.close();

}

}

**web.xml**

<web-app>

<servlet>

<servlet-name>ShowServlet</servlet-name>

<servlet-class>ShowServlet</servlet-class>

</servlet>

<servlet-mapping>

<servlet-name>ShowServlet</servlet-name>

<url-pattern>/ShowServlet</url-pattern>

</servlet-mapping>

</web-app>

b)java mail

<%@ page import="java.util.\*,javax.servlet.\*,javax.servlet.http.\*" %>

<%@ page import="javax.mail.\*" %>

<%@ page import="javax.mail.internet.\*" %>

<%

String to=request.getParameter("email1");

String from = "manjari.997@gmail.com";//change accordingly

final String password = "manjarichandra8";//change accordingly

// Assuming you are sending email through relay.jangosmtp.net

String host = "smtp.gmail.com";

Properties props = new Properties();

props.put("mail.smtp.host", "smtp.gmail.com");

props.put("mail.smtp.socketFactory.port", "465");

props.put("mail.smtp.socketFactory.class",

"javax.net.ssl.SSLSocketFactory");

props.put("mail.smtp.auth", "true");

props.put("mail.smtp.port", "25");

Session session2 = Session.getInstance(props,

new javax.mail.Authenticator() {

protected PasswordAuthentication getPasswordAuthentication() {

return new PasswordAuthentication(from,password);

}

});

try {

MimeMessage message = new MimeMessage(session2);

message.addRecipient(Message.RecipientType.TO,new InternetAddress(to));

message.setSubject("Registered for webchat");

message.setText("Confirmation Email from WebChat Successfully registered ---Thanks");

Transport.send(message);

out.println("message sent successfully");

}

catch (MessagingException e)

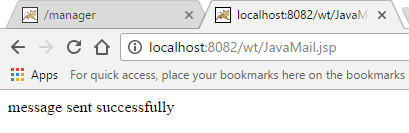
{

out.println(e);

}

%>

OUTPUT:

****

4) **Program 4:-**

<html>

<head>

<title>Calculator</title>

</head>

<body>

<form name="cals">

<h2> CALCULATOR </h2>

<input type="text" name="scr">

<br>

<input type="button" value="0" id="b0" onclick="cals.scr.value += '0'">

<input type="button" value="1" id="b1" onclick="cals.scr.value += '1'">

<input type="button" value="2" id="b2" onclick="cals.scr.value += '2'">

<input type="button" value="3" id="b3" onclick="cals.scr.value += '3'">

<input type="button" value="4" id="b4" onclick="cals.scr.value += '4'">

<input type="button" value="5" id="b5" onclick="cals.scr.value += '5'">

<input type="button" value="6" id="b6" onclick="cals.scr.value += '6'">

<input type="button" value="7" id="b7" onclick="cals.scr.value += '7'">

<input type="button" value="8" id="b8" onclick="cals.scr.value += '8'">

<input type="button" value="9" id="b9" onclick="cals.scr.value += '9'">

<br>

<input type="button" value="+" id="pl" onclick="cals.scr.value += '+'">

<input type="button" value="-" id="min" onclick="cals.scr.value += '-'">

<input type="button" value="/" id="div" onclick="cals.scr.value += '/'">

<input type="button" value="\*" id="mul" onclick="cals.scr.value += '\*'">

<br>

<input type="button" value="=" id="eql" onclick="cals.scr.value = eval(cals.scr.value)">

<input type="reset" value="C">

</form>

</body>

</html>

4b) insert and retrieve database

import java.io.\*;

import javax.servlet.\*;

import javax.servlet.http.\*;

import javax.sql.\*;

import java.sql.\*;

public class JdbcServlet extends HttpServlet {

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

{

response.setContentType("text/html");

PrintWriter out =response.getWriter();

try

{

Class.forName("com.mysql.jdbc.Driver");//System.out.println("connecting..");

try

{

String uname="root";

String pwd="root";

String url="jdbc:mysql://localhost:3306/b";

Connection conn=DriverManager.getConnection(url,uname,pwd);

//out.println("success");

Statement stmt=conn.createStatement();

stmt.execute("insert into student values('c',207)");

ResultSet rs=stmt.executeQuery("select \* from student");

while(rs.next())

{

out.print(rs.getString(1)+"\t"+rs.getInt(2));

out.println("<br>");

}

//System.out.println("success");

}

catch(Exception e)

{

out.println(e);

}

}

catch(ClassNotFoundException e)

{

out.println(e);

}

}

}

5)a

**).PROGRAM TO DEMONSTRATE XML SCHEMA**

college.xml

<?xml version ="1.0" encoding="UTF-8"?>

<college xmlns:xsl="http://www.w3.org/2001/XMLSchema" xsl:noNameSpaceSchemaLocation="xmlxsd.xsd">

<student>

<sid>1</sid>

<sname>chandu</sname>

</student>

<student>

<sid>2</sid>

<sname>kranthi</sname>

</student>

<staff>

<stid>101</stid>

<stname>aaaa</stname>

</staff>

<staff>

<stid>102</stid>

<stname>bbb</stname>

</staff>

</college>

college.xsd

<?xml version ="1.0" encoding="UTF-8"?>

<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema">

<xs:element name="college">

<xs:complexType>

<xs:sequence>

<xs:element name="student">

<xs:complexType>

<xs:sequence>

<xs:element name="sid" type="xs:string"/>

<xs:element name="sname" type="xs:string"/>

</xs:sequence>

</xs:complexType>

</xs:element>

<xs:element name="staff">

<xs:complexType>

<xs:sequence>

<xs:element name="stid" type="xs:string"/>

<xs:element name="stname" type="xs:string"/>

</xs:sequence>

</xs:complexType>

</xs:element>

</xs:sequence>

<xs:complexType>

</xs:element>

5b)servlet context

**PROGRAM TO DEMONSTRATE SERVLET CONTEXT(SET ATTRIBUTE AND GET ATTRIBUTE)**

login.html

<html>

<form action="http:\\localhost:8080\mydispatcher\Dispatcher1">

name<input type="text" name="n"><br>

value<input type="password" name="p"><br>

<input type="submit">

</form></html>

s1.java

import javax.servlet.http.\*;

import javax.servlet.\*;

import java.io.\*;

public class Servlet1 extends HttpServlet

{

public void doGet(HttpServletRequest req,HttpServletResponse res) throws IOException,ServletException

{

res.setContentType("text/html");

PrintWriter out=res.getWriter();

HttpSession s1=req.getSession();

s1.setAttribute("name","abc");

out.println("<input type='submit' value='get-value'>");

}

}

s2.java

import javax.servlet.http.\*;

import javax.servlet.\*;

import java.io.\*;

public class Servlet2 extends HttpServlet

{

public void doGet(HttpServletRequest req,HttpServletResponse res) throws IOException,ServletException

{

res.setContentType("text/html");

PrintWriter out=res.getWriter();

HttpSession s2=req.getSession(false);

String x=(String)s2.getAttribute("name");

out.println("welcome: "+x);

}

}

web.xml

<?xml version="1.0" encoding="UTF-8"?>

<web-app>

<servlet>

<servlet-name>s1</servlet-name>

<servlet-class>s1</servlet-class>

</servlet>

<servlet>

<servlet-name>s2</servlet-name>

<servlet-class>s2</servlet-class>

</servlet>

<servlet-mapping>

<servlet-name>s1</servlet-name>

<url-pattern>/s1</url-pattern>

</servlet-mapping>

<servlet-mapping>

<servlet-name>s2</servlet-name>

<url-pattern>/s2</url-pattern>

</servlet-mapping>

</web-app>

6) **PROGRAM TO DEMONSTRATE DTD**

college.xml

<?xml version ="1.0" encoding="UTF-8"?>

<!DOCTYPE college SYSTEM "xml1d.dtd">

<college>

<student>

<sid>1</sid>

<sname>chandu</sname>

</student>

<student>

<sid>2</sid>

<sname>kranthi</sname>

</student>

<staff>

<stid>101</stid>

<stname>aaaa</stname>

</staff>

<staff>

<stid>102</stid>

<stname>bbb</stname>

</staff>

</college>

college.dtd

<!DOCTYPE college[

<!ELEMENT college(student,staff)>

<!ELEMENT student(sid,sn0ame)>

<!ELEMENT sid #PCDATA>

<!ELEMENT sname #PCDATA>

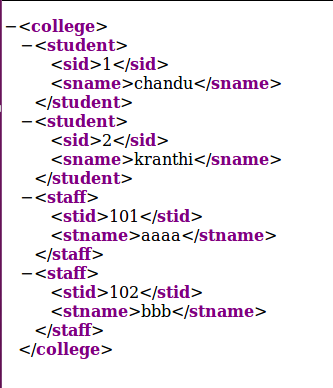
<!ELEMENT staff(stid,stname)>

<!ELEMENT stid #PCDATA>

<!ELEMENT stname #PCDATA>

]>

OUTPUT:



**17).PROGRAM TO DEMONSTRATE XML SCHEMA**

college.xml

<?xml version ="1.0" encoding="UTF-8"?>

<college xmlns:xsl="http://www.w3.org/2001/XMLSchema" xsl:noNameSpaceSchemaLocation="xmlxsd.xsd">

<student>

<sid>1</sid>

<sname>chandu</sname>

</student>

<student>

<sid>2</sid>

<sname>kranthi</sname>

</student>

<staff>

<stid>101</stid>

<stname>aaaa</stname>

</staff>

<staff>

<stid>102</stid>

<stname>bbb</stname>

</staff>

</college>

college.xsd

<?xml version ="1.0" encoding="UTF-8"?>

<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema">

<xs:element name="college">

<xs:complexType>

<xs:sequence>

<xs:element name="student">

<xs:complexType>

<xs:sequence>

<xs:element name="sid" type="xs:string"/>

<xs:element name="sname" type="xs:string"/>

</xs:sequence>

</xs:complexType>

</xs:element>

<xs:element name="staff">

<xs:complexType>

<xs:sequence>

<xs:element name="stid" type="xs:string"/>

<xs:element name="stname" type="xs:string"/>

</xs:sequence>

</xs:complexType>

</xs:element>

</xs:sequence>

<xs:complexType>

</xs:element>

6b)servlet input

import javax.servlet.\*;

import javax.servlet.http.\*;

import java.io.\*;

public class serv extends HttpServlet

{

public void doGet(HttpServletRequest req,HttpServletResponse res)throws

IOException,ServletException

{

res.setContentType("text/html");

PrintWriter out=res.getWriter();

String f=req.getParameter("first\_name");

String l=req.getParameter("last\_name");

out.println("first name\n"+f);

out.println("last name"+l);

String p=req.getParameter("pwd");

out.println("password"+p);

String g=req.getParameter("gender");

out.println("gender"+g);

String c1=req.getParameter("c");

String c2=req.getParameter("c++");

String c3=req.getParameter("java");

out.print("c"+c1+"c++"+c2+"java"+c3);

out.close();

}

}

Login.html:

<html>

<body>

<form action="http://localhost:8080/servlet1/Login" method="get">

First Name: <input type="text" name="first\_name">

<br />

Last Name: <input type="text" name="last\_name" />

<p>password:</p>

<input type="password" name="pwd" />

<p>gender:</p>

<input type="radio" name="gender" value="male">

<p>male</p>

<input type="radio" name="gender" value="female">

<p>female</p>

<p>skills:</p>

<input type="checkbox" name="c" />c

<input type="checkbox" name="c++" /> c++

<input type="checkbox" name="java" />java

<input type="submit" />

</form>

</body>

</html>

Web.xml:

<web-app>

<servlet>

<servlet-name>serv</servlet-name>

<servlet-class>serv</servlet-class>

</servlet>

<servlet-mapping>

<servlet-name>serv</servlet-name>

<url-pattern>/serv</url-pattern>

</servlet-mapping>

</web-app>

7a)

PROGRAM TO INSERT AND EXTRACT DATA FROM DATABASE USING JSP

Insertion

<%@ page import="java.sql.\*" %>

<%@ page import="java.io.\*" %>

<HTML>

<HEAD>

<TITLE>insert data using prepared statement </TITLE>

</HEAD>

<body>

<FORM action="prepared\_statement\_query.jsp" method="get">

<input type="text" name="name">

<INPUT TYPE="text" name="city">

<INPUT TYPE="text" name="phone">

<INPUT TYPE="submit" VALUE="submit">

<%

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

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

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

if(name!=null && city!=null && phone!=null){

// check if the text box having only blank spaces

if(name!="" && city!="" && phone!="") {

try {

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

Connection con = DriverManager.getConnection("jdbc:mysql://localhost:3306/test", "root", "divya");

PreparedStatement pstatement = con.prepareStatement("insert into student values(?,?,?)");

pstatement.setString(1, name);

pstatement.setString(2, city);

pstatement.setString(3, phone);

int i = pstatement.executeUpdate();

if (i!= 0)

{ %>

<p>Data is inserted successfully in database.</p>

<%

}

}catch (Exception ex) {}

}

}

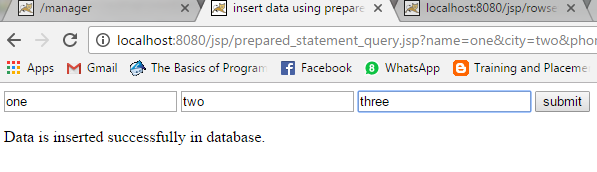
%>

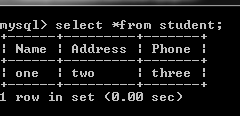
</FORM>

</body>

</html>

Output:

****

****

Extraction:

<%@ page import="java.sql.\*" %>

<%@ page import="java.io.\*" %>

<%@ page import="javax.sql.rowset.JdbcRowSet" %>

<%@ page import="com.sun.rowset.\*" %>

<HTML>

<HEAD>

<FORM action="rowset.jsp" method="get">

<%

try{

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

JdbcRowSetrs = new JdbcRowSetImpl();

rs.setUrl("jdbc:mysql://localhost:3306/employee");

rs.setUsername("root");

rs.setPassword("divya");

rs.setCommand("select \* from emp");

rs.execute();

while (rs.next()) {

%>

<TR>

<TD><%=rs.getString(1)%></TD>

<TD><%=rs.getString(2)%></TD>

<TD><%=rs.getString(3)%></TD>

<TD><%=rs.getString(4)%></TD>

</TR>

<% } %>

<%

}

catch(ClassNotFoundException | SQLException ex)

{

ex.printStackTrace();

}

%>

</FORM>

</body>

</html>

7b) request dispatcher

Dispatcher.java

import java.io.\*;

import javax.servlet.\*;

import javax.servlet.http.\*;

public class Dispatcher1 extends HttpServlet

{

public void doGet(HttpServletRequest req,HttpServletResponse res)throws IOException,ServletException

{

res.setContentType("text/html");

PrintWriter out=res.getWriter();

String x=req.getParameter("n");

String y=req.getParameter("p");

if(y.equals("hyderabad"))

{

RequestDispatcher rd=req.getRequestDispatcher("Dispatcher2");

rd.forward(req,res);

}

else

{ out.println("sorry wrong credentials");

RequestDispatcher rd=req.getRequestDispatcher("Dispatcher.html");

rd.include(req,res);

}

}

}

Dispatcher2.java

import java.io.\*;

import javax.servlet.\*;

import javax.servlet.http.\*;

public class Dispatcher2 extends HttpServlet

{

public void doGet(HttpServletRequest req,HttpServletResponse res)throws IOException,ServletException

{

res.setContentType("text/html");

PrintWriter out=res.getWriter();

String z=req.getParameter("n");

out.println("welcome "+z);

}

}

web.xml

<?xml version="1.0" encoding="UTF-8"?>

<web-app>

<servlet>

<servlet-name>Dispatcher1</servlet-name>

<servlet-class>Dispatcher1</servlet-class>

</servlet>

<servlet>

<servlet-name>Dispatcher2</servlet-name>

<servlet-class>Dispatcher2</servlet-class>

</servlet>

<servlet-mapping>

<servlet-name>Dispatcher1</servlet-name>

<url-pattern>/Dispatcher1</url-pattern>

</servlet-mapping>

<servlet-mapping>

<servlet-name>Dispatcher2</servlet-name>

<url-pattern>/Dispatcher2</url-pattern>

</servlet-mapping>

</web-app>

login.html

<html>

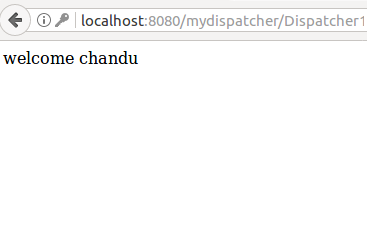
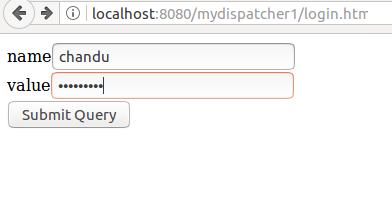
<form action="http:\\localhost:8080\mydispatcher\Dispatcher1">

name<input type="text" name="n"><br>

value<input type="password" name="p"><br>

<input type="submit">

</form></html>

OUTPUT:

8a)session and url rewriting

**PROGRAM TO DEMONSTRATE URL REWRITING**

urlhtml.html

<html>

<form action="http:\\localhost:8080\urlpro\Url1">

name<input type="text" name="n">

<input type="submit">

</form>

</html>

Url1.java

import java.io.\*;

import javax.servlet.\*;

import javax.servlet.http.\*;

public class Url1 extends HttpServlet

{

public void doGet(HttpServletRequest req,HttpServletResponse res)throws IOException,ServletException

{

res.setContentType("text/html");

PrintWriter out=res.getWriter();

String n=req.getParameter("n");

out.println("<form action='Url2?name='"+n+"''>");

out.println("<input type='submit' value='get-value'> ");

//out.println("<a href='Url2?name="+n+"'>visit</a>");

}

}

Url2.java

import java.io.\*;

import javax.servlet.\*;

import javax.servlet.http.\*;

public class Url2 extends HttpServlet

{

public void doGet(HttpServletRequest req,HttpServletResponse res)throws IOException,ServletException

{

res.setContentType("text/html");

PrintWriter out=res.getWriter();

String z=req.getParameter("name");

out.println("<h1>welcome:" + z + "</h1>");

}

}

web.xml

<?xml version="1.0" encoding="UTF-8"?>

<web-app>

<servlet>

<servlet-name>Url1</servlet-name>

<servlet-class>Url1</servlet-class>

</servlet>

<servlet>

<servlet-name>Url2</servlet-name>

<servlet-class>Url2</servlet-class>

</servlet>

<servlet-mapping>

<servlet-name>Url1</servlet-name>

<url-pattern>/Url1</url-pattern>

</servlet-mapping>

<servlet-mapping>

<servlet-name>Url2</servlet-name>

<url-pattern>/Url2</url-pattern>

</servlet-mapping>

</web-app>

**15).PROGRAM TO DEMONSTRATE HTTP SESSION**

login.html

<html>

<form action="http:\\localhost:8080\mydispatcher\Dispatcher1">

name<input type="text" name="n"><br>

value<input type="password" name="p"><br>

<input type="submit">

</form></html>

s1.java

import javax.servlet.http.\*;

import javax.servlet.\*;

import java.io.\*;

public class Servlet1 extends HttpServlet

{

public void doGet(HttpServletRequest req,HttpServletResponse res) throws IOException,ServletException

{

res.setContentType("text/html");

PrintWriter out=res.getWriter();

HttpSession s1=req.getSession();

s1.setAttribute("name","abc");

out.println("<input type='submit' value='get-value'>");

}

}

s2.java

import javax.servlet.http.\*;

import javax.servlet.\*;

import java.io.\*;

public class Servlet2 extends HttpServlet

{

public void doGet(HttpServletRequest req,HttpServletResponse res) throws IOException,ServletException

{

res.setContentType("text/html");

PrintWriter out=res.getWriter();

HttpSession s2=req.getSession(false);

String x=(String)s2.getAttribute("name");

out.println("welcome: "+x);

}

}

web.xml

<?xml version="1.0" encoding="UTF-8"?>

<web-app>

<servlet>

<servlet-name>s1</servlet-name>

<servlet-class>s1</servlet-class>

</servlet>

<servlet>

<servlet-name>s2</servlet-name>

<servlet-class>s2</servlet-class>

</servlet>

<servlet-mapping>

<servlet-name>s1</servlet-name>

<url-pattern>/s1</url-pattern>

</servlet-mapping>

<servlet-mapping>

<servlet-name>s2</servlet-name>

<url-pattern>/s2</url-pattern>

</servlet-mapping>

</web-app>

8b) Insertion

<%@ page import="java.sql.\*" %>

<%@ page import="java.io.\*" %>

<HTML>

<HEAD>

<TITLE>insert data using prepared statement </TITLE>

</HEAD>

<body>

<FORM action="prepared\_statement\_query.jsp" method="get">

<input type="text" name="name">

<INPUT TYPE="text" name="city">

<INPUT TYPE="text" name="phone">

<INPUT TYPE="submit" VALUE="submit">

<%

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

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

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

if(name!=null && city!=null && phone!=null){

// check if the text box having only blank spaces

if(name!="" && city!="" && phone!="") {

try {

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

Connection con = DriverManager.getConnection("jdbc:mysql://localhost:3306/test", "root", "divya");

PreparedStatement pstatement = con.prepareStatement("insert into student values(?,?,?)");

pstatement.setString(1, name);

pstatement.setString(2, city);

pstatement.setString(3, phone);

int i = pstatement.executeUpdate();

if (i!= 0)

{ %>

<p>Data is inserted successfully in database.</p>

<%

}

}catch (Exception ex) {}

}

}

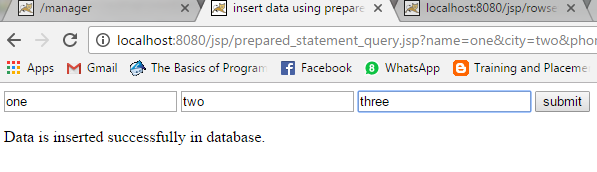
%>

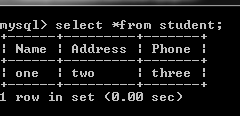
</FORM>

</body>

</html>

Output:

****

****

Extraction:

<%@ page import="java.sql.\*" %>

<%@ page import="java.io.\*" %>

<%@ page import="javax.sql.rowset.JdbcRowSet" %>

<%@ page import="com.sun.rowset.\*" %>

<HTML>

<HEAD>

<FORM action="rowset.jsp" method="get">

<%

try{

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

JdbcRowSetrs = new JdbcRowSetImpl();

rs.setUrl("jdbc:mysql://localhost:3306/employee");

rs.setUsername("root");

rs.setPassword("divya");

rs.setCommand("select \* from emp");

rs.execute();

while (rs.next()) {

%>

<TR>

<TD><%=rs.getString(1)%></TD>

<TD><%=rs.getString(2)%></TD>

<TD><%=rs.getString(3)%></TD>

<TD><%=rs.getString(4)%></TD>

</TR>

<% } %>

<%

}

catch(ClassNotFoundException | SQLException ex)

{

ex.printStackTrace();

}

%>

</FORM>

</body>

</html>

Output:

9a)input using java script

<!DOCTYPE html>

<html>

<script>

function getd()

{

var name = document.getElementById("name").value;

var gen = document.getElementsByName("gender");

var skills = document.getElementsByName("skills");

var branch = document.getElementById("branch").selectedIndex;

var opts = document.getElementsByTagName("option")[branch].value;

var i, k, m = [];

for (i = 0; i < gen.length; i++)

{

if (gen[i].checked)

{

k = gen[i].value;

break;

}

}

for (i = 0; i < skills.length; i++)

{

if (skills[i].checked)

{

m.push(skills[i].value);

}

}

var p1 = "Name :"+name;

var p2 = "Gender :" + k;

var p3 =" Skills : "+m;

var p4 ="Branch : " + opts;

document.getElementById("p1").innerHTML = p1;

document.getElementById("p2").innerHTML = p2;

document.getElementById("p3").innerHTML = p3;

document.getElementById("p4").innerHTML = p4;

}

</script>

<body>

<form>

<pre>

Username :<input type="text" id="name" />

<input type="radio" name="gender" value="male"> male

<input type="radio" name="gender" value="female"> female

<input type="checkbox" name="skills" value="c">c

<input type="checkbox" name="skills" value="c++">c++

<br>

select Brac :

<select id="branch">

<option value="cse">CSE</option>

<option value="eee">EEE</option>

<option value="ece">ECE</option>

</select>

<input type="button" value="Get" onclick="getd()" />

</pre>

</form>

<h4>Out put</h4>

<p id="p1"></p>

<p id="p2"></p>

<p id="p3"></p>

<p id="p4"></p>

</body>

</html>

9b) cookies and hidden

**).PROGRAM TO DEMONSTRATE COOKIES**

cookieshtml.html

<html>

<form action="http:\\localhost:8080\cookpro\Cookie1">

name<input type="text" name="cname">

value<input type="text" name="cvalue">

<input type="submit">

</form>

</html>

Cookie1.java

import java.io.\*;

import javax.servlet.\*;

import javax.servlet.http.\*;

public class Cookie1 extends HttpServlet

{

public void doGet(HttpServletRequest req,HttpServletResponse res)throws IOException,ServletException

{

res.setContentType("text/html");

PrintWriter out=res.getWriter();

String x=req.getParameter("cname");

String y=req.getParameter("cvalue");

Cookie ck=new Cookie(x,y);

ck.setMaxAge(60\*60);

res.addCookie(ck);

out.print("<form action='Cookie2'>");

out.print("<input type='submit' value='get-info'>");

}

}

Cookie2.java

import java.io.\*;

import javax.servlet.\*;

import javax.servlet.http.\*;

public class Cookie2 extends HttpServlet

{

public void doGet(HttpServletRequest req,HttpServletResponse res)throws IOException,ServletException

{

res.setContentType("text/html");

PrintWriter out=res.getWriter();

Cookie ck[]=req.getCookies();

for(int i=0;i<ck.length;i++)

out.print("name is" +ck[i].getName()+" value is "+ck[i].getValue());

}

}

web.xml

<?xml version="1.0" encoding="UTF-8"?>

<web-app>

<servlet>

<servlet-name>Cookie1</servlet-name>

<servlet-class>Cookie1</servlet-class>

</servlet>

<servlet>

<servlet-name>Cookie2</servlet-name>

<servlet-class>Cookie2</servlet-class>

</servlet>

<servlet-mapping>

<servlet-name>Cookie1</servlet-name>

<url-pattern>/Cookie1</url-pattern>

</servlet-mapping>

<servlet-mapping>

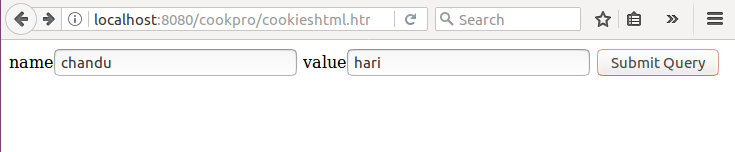
<servlet-name>Cookie2</servlet-name>

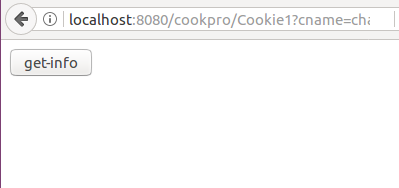
<url-pattern>/Cookie2</url-pattern>

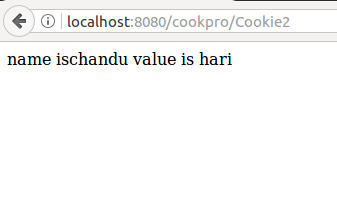
</servlet-mapping>

</web-app>

OUTPUT:







**13).PROGRAM TO DEMONSTRATE HIDDEN FORM FIELDS**

hiddenhtml.html

<html>

<form action="http:\\localhost:8080\hiddenpro\Hidden1">

name<input type="text" name="n">

<input type="submit">

</form>

</html>

Hidden1.java

import java.io.\*;

import javax.servlet.\*;

import javax.servlet.http.\*;

public class Hidden1 extends HttpServlet

{

public void doGet(HttpServletRequest req,HttpServletResponse res)throws IOException,ServletException

{

res.setContentType("text/html");

PrintWriter out=res.getWriter();

String n=req.getParameter("n");

out.println("<html>");

out.println("<form action='http://localhost:8080/hiddenpro/Hidden2'>");

out.print("<input type='hidden' name='n2' value='"+n+"'>");

out.println("<input type='submit' value='get-value'> </form> </html>");

}

}

Hidden2.java

import java.io.\*;

import javax.servlet.\*;

import javax.servlet.http.\*;

public class Hidden2 extends HttpServlet

{

public void doGet(HttpServletRequest req,HttpServletResponse res)throws IOException,ServletException

{

res.setContentType("text/html");

PrintWriter out=res.getWriter();

String z=req.getParameter("n2");

out.println("<html> <h1>welcome:"+z+"</h1> </html>");

}

}

web.xml

<?xml version="1.0" encoding="UTF-8"?>

<web-app>

<servlet>

<servlet-name>Hidden1</servlet-name>

<servlet-class>Hidden1</servlet-class>

</servlet>

<servlet>

<servlet-name>Hidden2</servlet-name>

<servlet-class>Hidden2</servlet-class>

</servlet>

<servlet-mapping>

<servlet-name>Hidden1</servlet-name>

<url-pattern>/Hidden1</url-pattern>

</servlet-mapping>

<servlet-mapping>

<servlet-name>Hidden2</servlet-name>

<url-pattern>/Hidden2</url-pattern>

</servlet-mapping>

</web-app>

10a)xml with xslt

college.xml

<?xml version ="1.0" encoding="UTF-8"?>

<college xmlns:xsl="http://www.w3.org/2001/XMLSchema" xsl:noNameSpaceSchemaLocation="xmlxsd.xsd">

<student>

<sid>1</sid>

<sname>chandu</sname>

</student>

<student>

<sid>2</sid>

<sname>kranthi</sname>

</student>

<staff>

<stid>101</stid>

<stname>aaaa</stname>

</staff>

<staff>

<stid>102</stid>

<stname>bbb</stname>

</staff>

</college>

college.xsd

<?xml version ="1.0" encoding="UTF-8"?>

<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema">

<xs:element name="college">

<xs:complexType>

<xs:sequence>

<xs:element name="student">

<xs:complexType>

<xs:sequence>

<xs:element name="sid" type="xs:string"/>

<xs:element name="sname" type="xs:string"/>

</xs:sequence>

</xs:complexType>

</xs:element>

<xs:element name="staff">

<xs:complexType>

<xs:sequence>

<xs:element name="stid" type="xs:string"/>

<xs:element name="stname" type="xs:string"/>

</xs:sequence>

</xs:complexType>

</xs:element>

</xs:sequence>

<xs:complexType>

</xs:element>

10b)jsp database

Insertion

<%@ page import="java.sql.\*" %>

<%@ page import="java.io.\*" %>

<HTML>

<HEAD>

<TITLE>insert data using prepared statement </TITLE>

</HEAD>

<body>

<FORM action="prepared\_statement\_query.jsp" method="get">

<input type="text" name="name">

<INPUT TYPE="text" name="city">

<INPUT TYPE="text" name="phone">

<INPUT TYPE="submit" VALUE="submit">

<%

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

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

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

if(name!=null && city!=null && phone!=null){

// check if the text box having only blank spaces

if(name!="" && city!="" && phone!="") {

try {

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

Connection con = DriverManager.getConnection("jdbc:mysql://localhost:3306/test", "root", "divya");

PreparedStatement pstatement = con.prepareStatement("insert into student values(?,?,?)");

pstatement.setString(1, name);

pstatement.setString(2, city);

pstatement.setString(3, phone);

int i = pstatement.executeUpdate();

if (i!= 0)

{ %>

<p>Data is inserted successfully in database.</p>

<%

}

}catch (Exception ex) {}

}

}

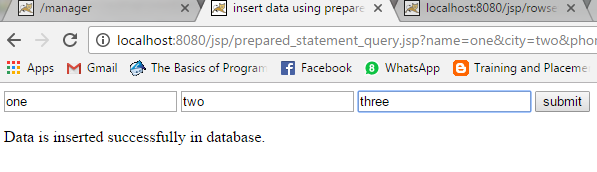
%>

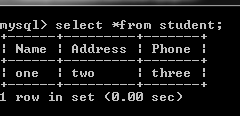
</FORM>

</body>

</html>

Output:

****

****

Extraction:

<%@ page import="java.sql.\*" %>

<%@ page import="java.io.\*" %>

<%@ page import="javax.sql.rowset.JdbcRowSet" %>

<%@ page import="com.sun.rowset.\*" %>

<HTML>

<HEAD>

<FORM action="rowset.jsp" method="get">

<%

try{

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

JdbcRowSetrs = new JdbcRowSetImpl();

rs.setUrl("jdbc:mysql://localhost:3306/employee");

rs.setUsername("root");

rs.setPassword("divya");

rs.setCommand("select \* from emp");

rs.execute();

while (rs.next()) {

%>

<TR>

<TD><%=rs.getString(1)%></TD>

<TD><%=rs.getString(2)%></TD>

<TD><%=rs.getString(3)%></TD>

<TD><%=rs.getString(4)%></TD>

</TR>

<% } %>

<%

}

catch(ClassNotFoundException | SQLException ex)

{

ex.printStackTrace();

}

%>

</FORM>

</body>

</html>

Output: