1. **Create a JavaScript which has event handlers for the buttons, “red”, “blue”, “green”, “yellow” and “orange”, which must produce messages stating in the chosen color. The event handlers must be assigned to the onClick attribute of the radio button element.**

**Color.html**

<html>

<head>

<script language="javascript">

function colorchoice(color)

{

switch(color)

{

case "red":document.body.style.backgroundColor="red";alert("the choosen color is red");break;

case "blue":document.body.style.backgroundColor="blue";alert("the choosen color is blue");break;

case "green":document.body.style.backgroundColor="green";alert("the choosen color is green");break;

case "yellow":document.body.style.backgroundColor="yellow";alert("the choosen color is yellow");break;

case "orange":document.body.style.backgroundColor="orange";alert("the choosen color is orange");break;

default:alert("the choosen color doesnt exist");

break;

}}

</script>

</head>

<body>

<form name="f1">

<input type="radio" name="x" value="red" onclick="colorchoice('red')">RED<br>

<input type="radio" name="x" value="blue" onclick="colorchoice('blue')">BLUE<br>

<input type="radio" name="x" value="green" onclick="colorchoice('green')">GREEN<br>

<input type="radio" name="x" value="yellow" onclick="colorchoice('yellow')">YELLOW<br>

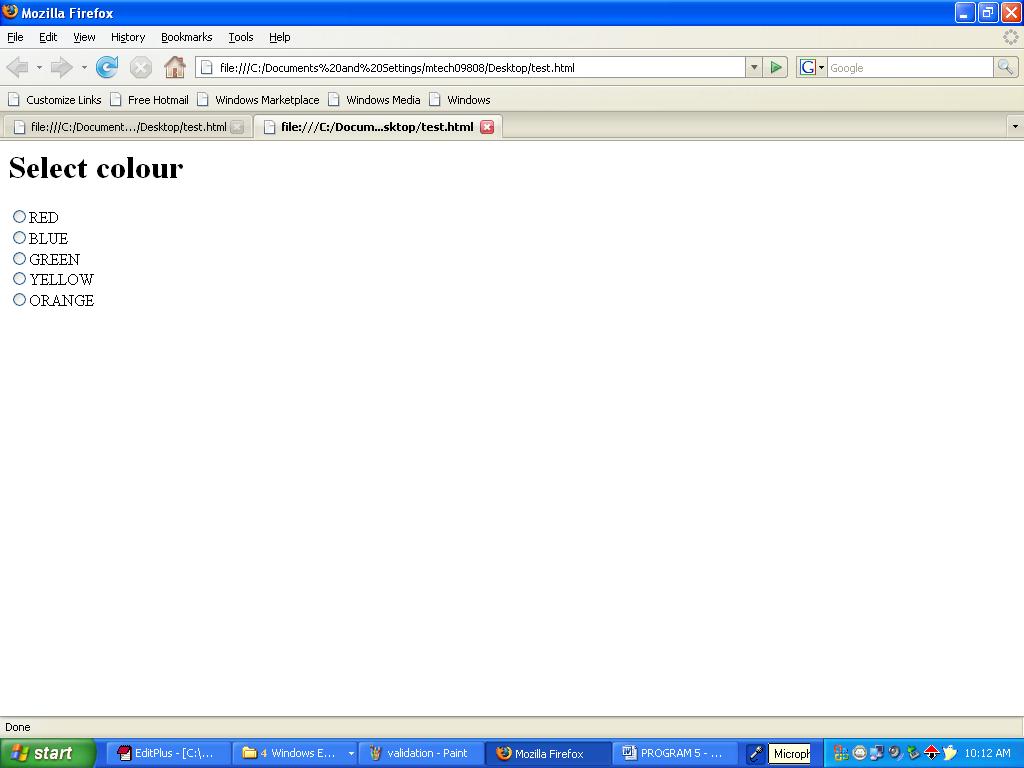
<input type="radio" name="x" value="orange" onclick="colorchoice('orange')">ORANGE<br>

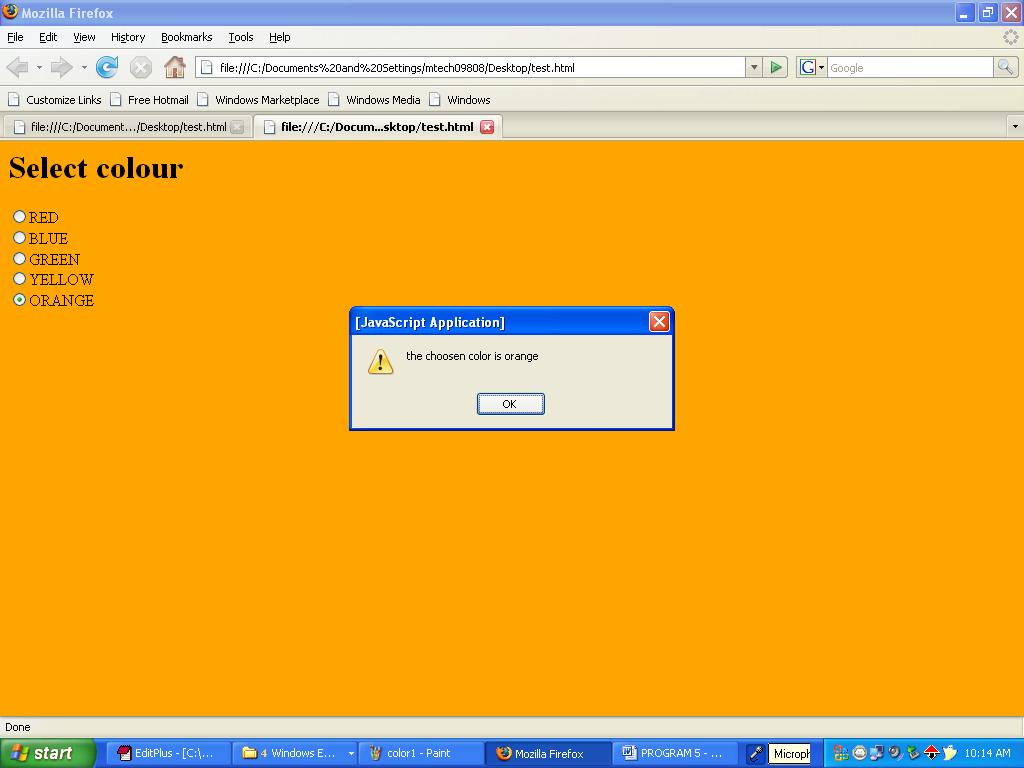
</form>

</body>

</html>

**OUTPUT:**





1. **Design a web page to insert an image. Write a script which displays a message when the mouse is over an image. The co-ordinates of the mouse should be displayed if the click is attempted on the message.**

**Coordinates.html**

<HTML>

<HEAD>

<TITLE> Image coordinates </TITLE>

<script language="javascript">

function click(event)

{

document.f1.t1.value=event.screenX;

document.f1.t2.value=event.screenY;

document.f1.t3.value=event.clientX;

document.f1.t4.value=event.clientY;

}

function over()

{

var str="you moved your mouse over the image";

document.f1.c.value=str;

}

function out()

{

document.f1.c.value=" ";

}

</script>

</head>

<body>

<form name="f1">

<a onmousedown="click(event)",

onmouseover="over()",

onmouseout="out()" >

<img src="Sunset.jpg" width=300 height=300></a></br>

message<input type="text" id="c" size="40"><br>

<h1>with respect to screen co-ordinates</h1>

X!:<input type="text" id="t1" ><br>

Y1:<input type="text" id="t2" ><br>

<h1>with respect to client co-ordinates</h1>

X!:<input type="text" id="t3" ><br>

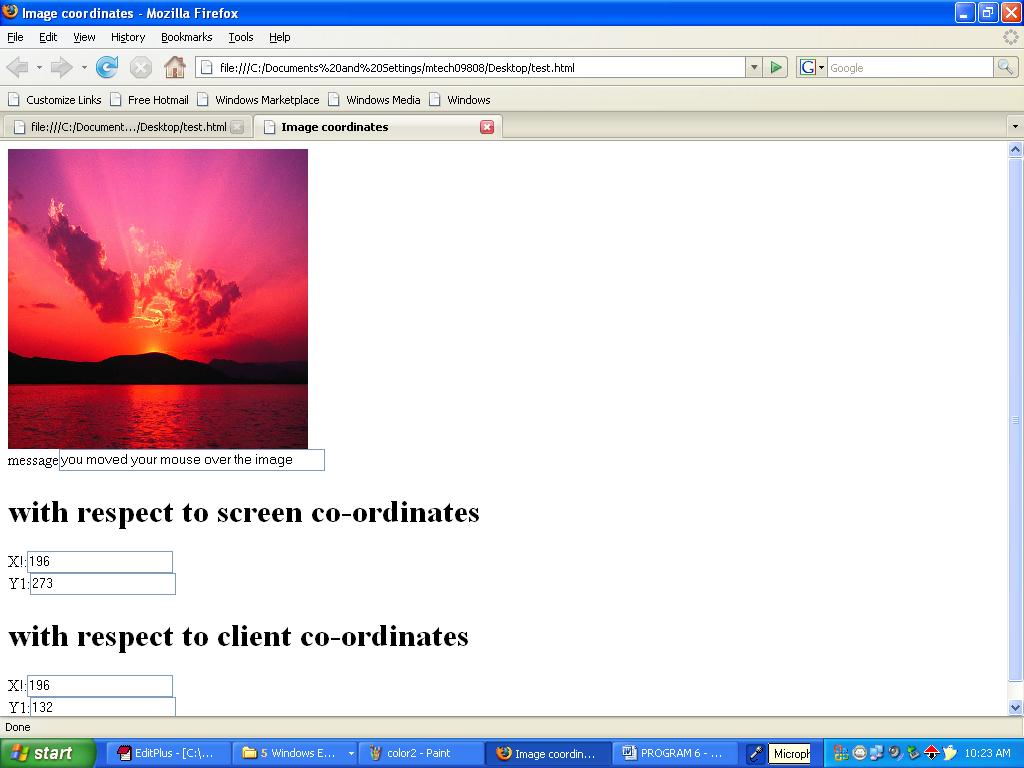
Y1:<input type="text" id="t4" ><br>

</form>

</body>

</html>

**OUTPUT:**



1. **Create an XML document, which contains 5 users information (user profile). Write a program (JavaScript) which takes user name as an input and return the user details by taking the user information from the XML document.**

**Data.html**

<html>

<head>

<script language="javascript">

var xmlDoc=new ActiveXObject("Microsoft.XMLDOM");

var count=2;

function loadXML(xmlfile)

{

xmlDoc.load(xmlfile);

xmlobj=xmlDoc.documentElement;

var x=document.f1.t1.value;

var i=0;

for(var j=0;j<5;j++)

{

if((xmlobj.childNodes(j).childNodes(i).firstChild.text)==x)

{

for(var i=1;i<8;i++)

{

alert(xmlobj.childNodes(j).childNodes(i).firstChild.text);

document.getElementById("t"+count).value=xmlobj.childNodes(j).childNodes(i).firstChild.text;

count=count+1;

}

}

}

}

</script>

</head>

<body>

<form name="f1">

<table border="0">

<tr><td>ENTER NAME:</td><td>

<input type="text" name="t1"></td></tr>

<tr><td></td><td>

<input type="button" value="search" onclick="loadXML('xmlfile.xml')"></td></tr>

<tr><td>YOUR PASSWORD</td><td><input type="password" id="t2"></td></tr>

<tr><td>YOUR emailid</td><td><input type="text" id="t3"></td></tr>

<tr><td>YOUR phone number</td><td><input type="text" id="t4"></td></tr>

<tr><td>YOUR gender</td><td><input type="text" id="t5"></td></tr>

<tr><td>YOUR DOB</td><td><input type="text" id="t6"></td></tr>

<tr><td>YOUR Language</td><td><input type="text" id="t7"></td></tr>

</table>

</form>

</body>

</html>

**xmlfile.xml**

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

<userinfo>

<user>

<name>vignesh</name>

<passward>9848568058</passward>

<emailid>rvvssvraju@gmail.com</emailid>

<phone>9492387549</phone>

<gander>male</gander>

<DOB>02/08/1987</DOB>

<language>telugu,english</language>

</user>

<user>

<name>varma</name>

<passward>9966229587</passward>

<emailid>varma\_jami@gmail.com</emailid>

<phone>9966229587</phone>

<gander>male</gander>

<DOB>06/08/1985</DOB>

<language>telugu,english</language>

</user>

<user>

<name>bala</name>

<passward>9948817170</passward>

<emailid>asvbk4u@gmail.com</emailid>

<phone>9948817170</phone>

<gander>male</gander>

<DOB>02/08/1987</DOB>

<language>telugu,english,hindi</language>

</user>

<user>

<name>krishna</name>

<passward>9652655787</passward>

<emailid>murali.007p@gmail.com</emailid>

<phone>9652655787</phone>

<gander>male</gander>

<DOB>02/08/1987</DOB>

<language>telugu,english,hindi</language>

</user>

<user>

<name>Krishna1</name>

<passward>9291537075</passward>

<emailid>libra.dskp@gmail.com</emailid>

<phone>9291537075</phone>

<gander>mail</gander>

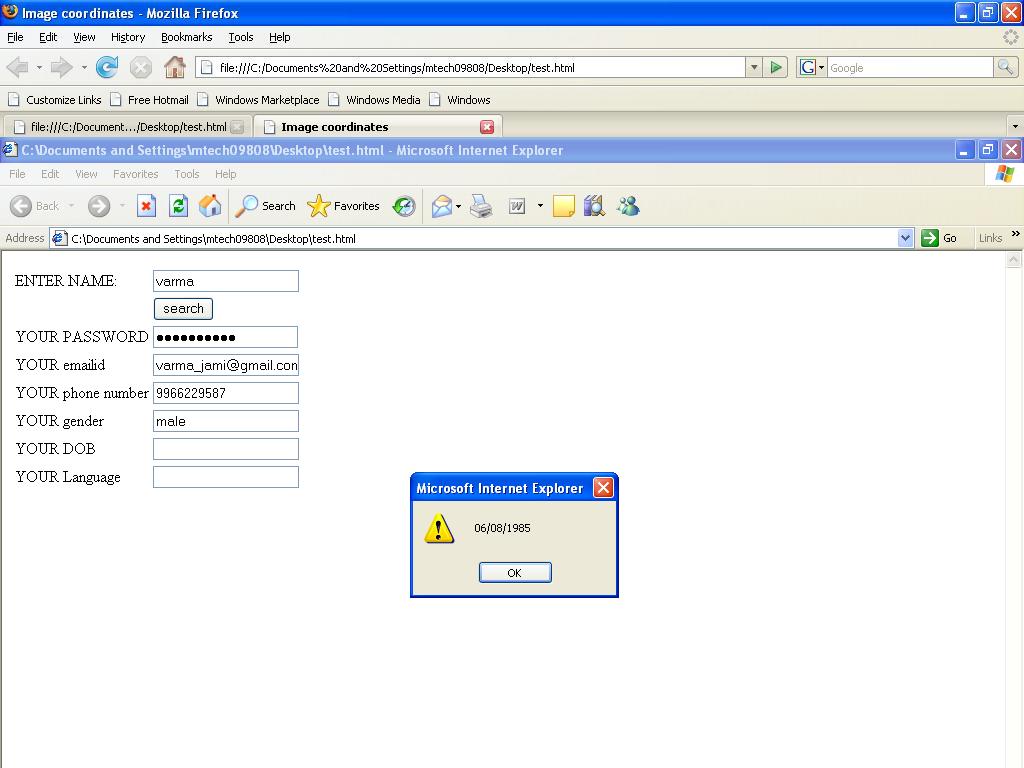
<DOB>02/08/1987</DOB>

<language>telugu,english,hindi</language>

</user>

</userinfo>

**OUTPUT:**



1. **Write a servlet program to write and display cookies, use student name and phone number as data for cookie name and value**

**Writecookie.java**

import java.io.\*;

import javax.servlet.\*;

import javax.servlet.http.\*;

public class writecookie extends HttpServlet

{

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

{

String s=req.getParameter("t1");

String ph=req.getParameter("t2");

Cookie c1=new Cookie(s,ph);

res.addCookie(c1);

res.setContentType("text/html");

PrintWriter pw=res.getWriter();

pw.println("cookie is written sucessfully to client");

pw.close();

}

}

**Studentdetails.html**

<html>

<head>

<title>student details</title>

</head>

<body>

<form name="f1" method="get" action="writecookie">

<table border="2" align="right">

<tr> <td> sname:</td>

<td><input type="text" name="t1"></td></tr>

<tr><td> phonenumber:</td>

<td> <input type="text" name="t2"></td>

</tr>

<tr><td> <input type="submit" value="submit"></td>

</tr>

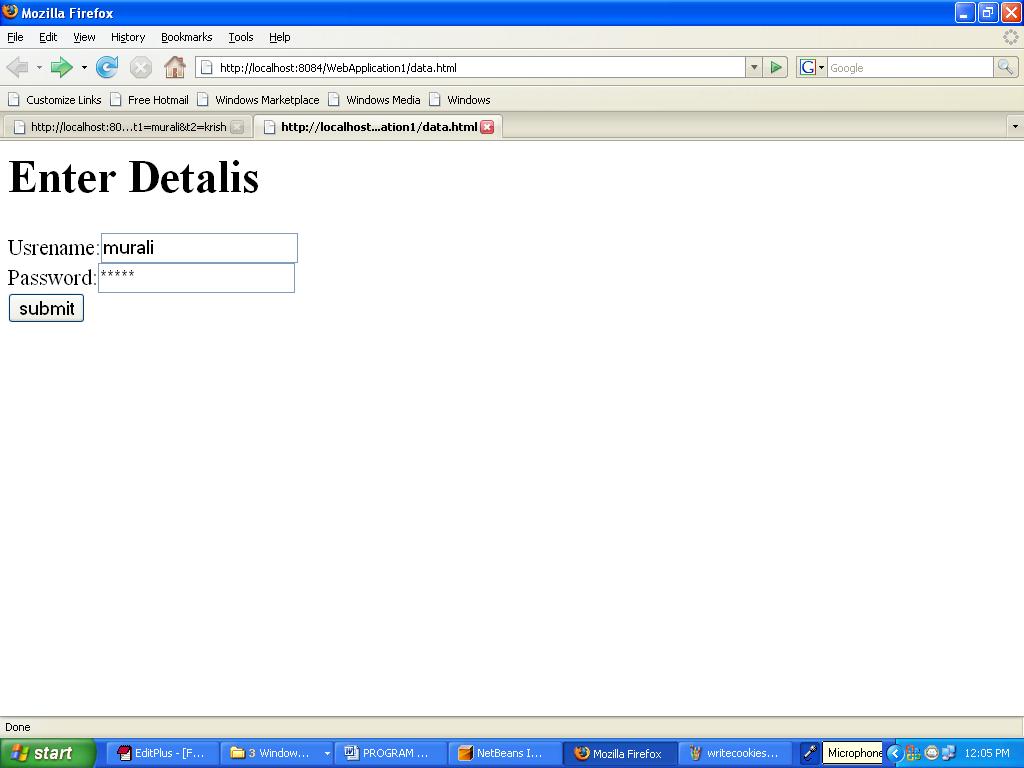
</table>

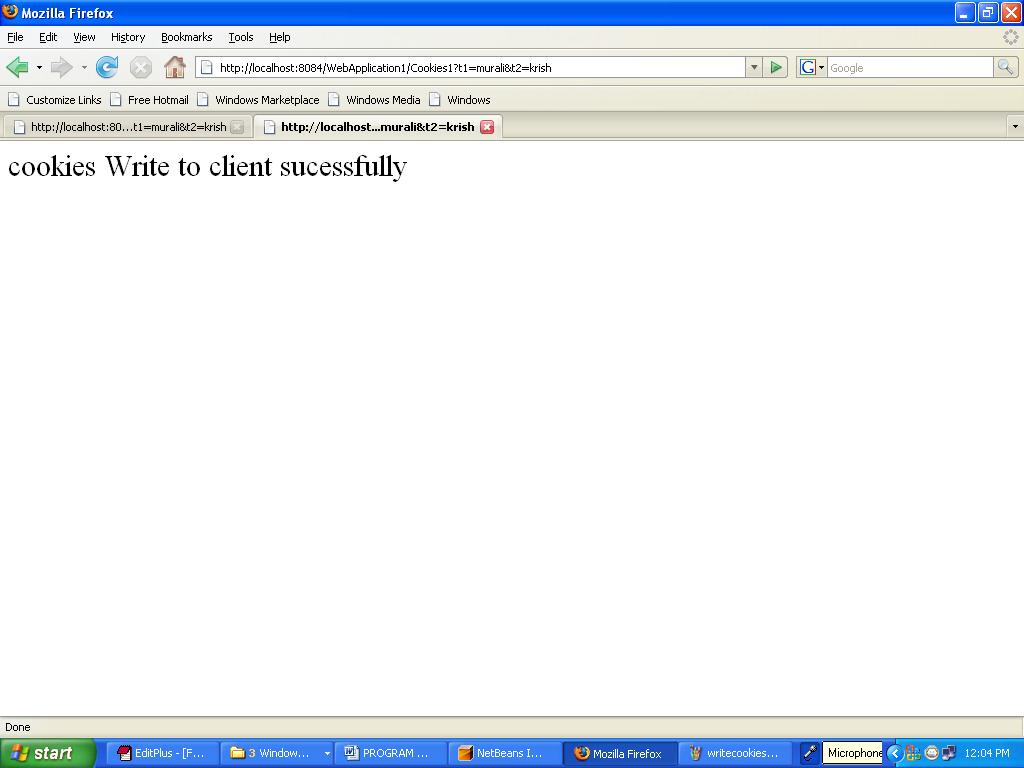
</form>

</body>

</html>

**OUTPUT:**





**Readcookie.java**

import java.io.\*;

import javax.servlet.\*;

import javax.servlet.http.\*;

public class readcookie extends HttpServlet

{

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

{

res.setContentType("text/html");

PrintWriter pw=res.getWriter();

Cookie c[]=null;

c=req.getCookies();

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

{

pw.println(c[i].getName()+":"+c[i].getValue());

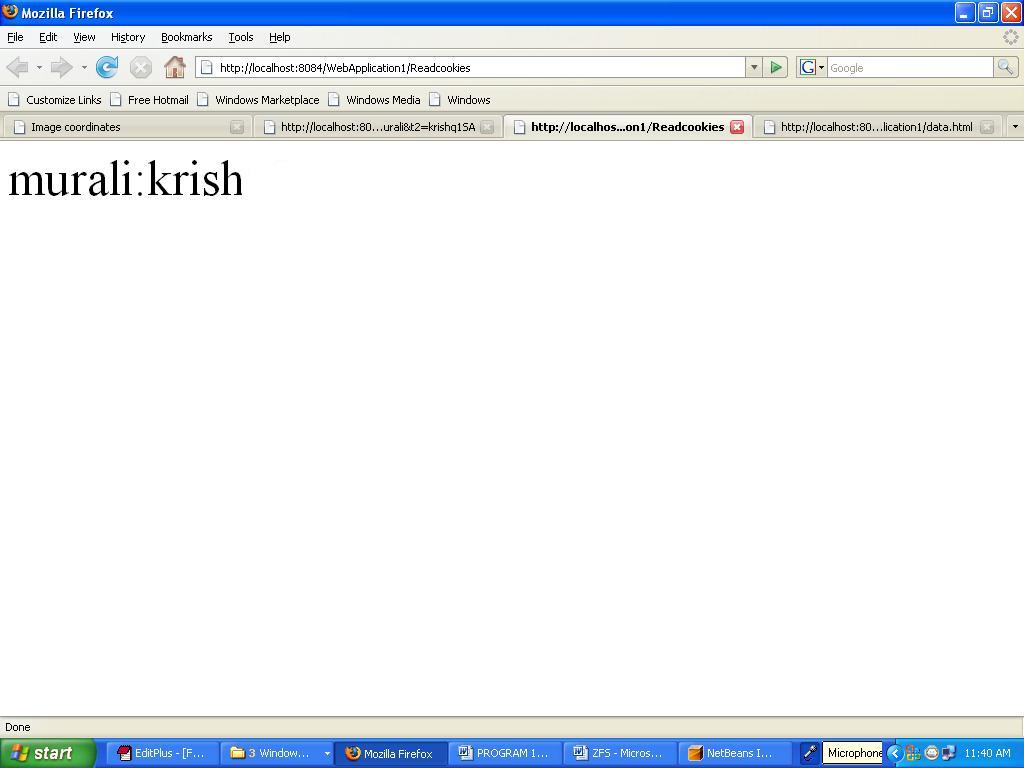
pw.println("<br>");

}

}

}

**OUTPUT:**



1. **Write a servlet program to illustrate session tracking that should include – displaying session Id, last access time, and current time, number of times the page visited and set the active time interval for the session.**

**Sessiondemo.java**

import java.io.\*;

import java.util.\*;

import javax.servlet.\*;

import javax.servlet.http.\*;

public class sessiondemo extends HttpServlet

{

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

{

Date date;

long createdtime,currenttime;

int vcount=1;

String sid,svcount;

HttpSession session;

session=req.getSession(true);

sid=session.getId();

date=new Date();

currenttime=date.getTime();

createdtime=session.getCreationTime();

session.setMaxInactiveInterval(5);

svcount=(String)session.getAttribute("visitcount");

if(svcount==null)

{

session.setAttribute("visitcount",""+vcount);

}

else

{

vcount=Integer.parseInt(svcount)+1;

session.setAttribute("visitcount",""+vcount);

}

res.setContentType("text/html");

PrintWriter pw=res.getWriter();

if(svcount==null)

{

pw.println("you r visting page for the first time ");

pw.println("sesion id"+sid);

}

else

{

pw.println("you visited this page for" +vcount+"times");

}

pw.println("session was created at:"+createdtime+"<br>");

pw.println("last time visted:"+session.getLastAccessedTime());

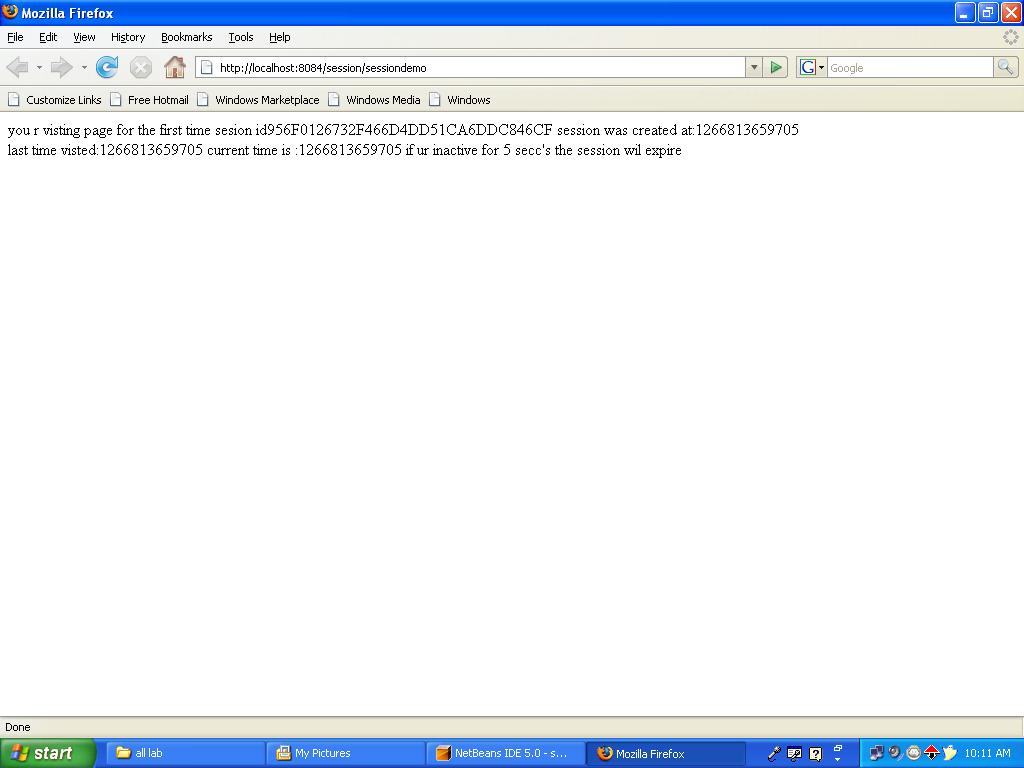
pw.println("current time is :"+currenttime);

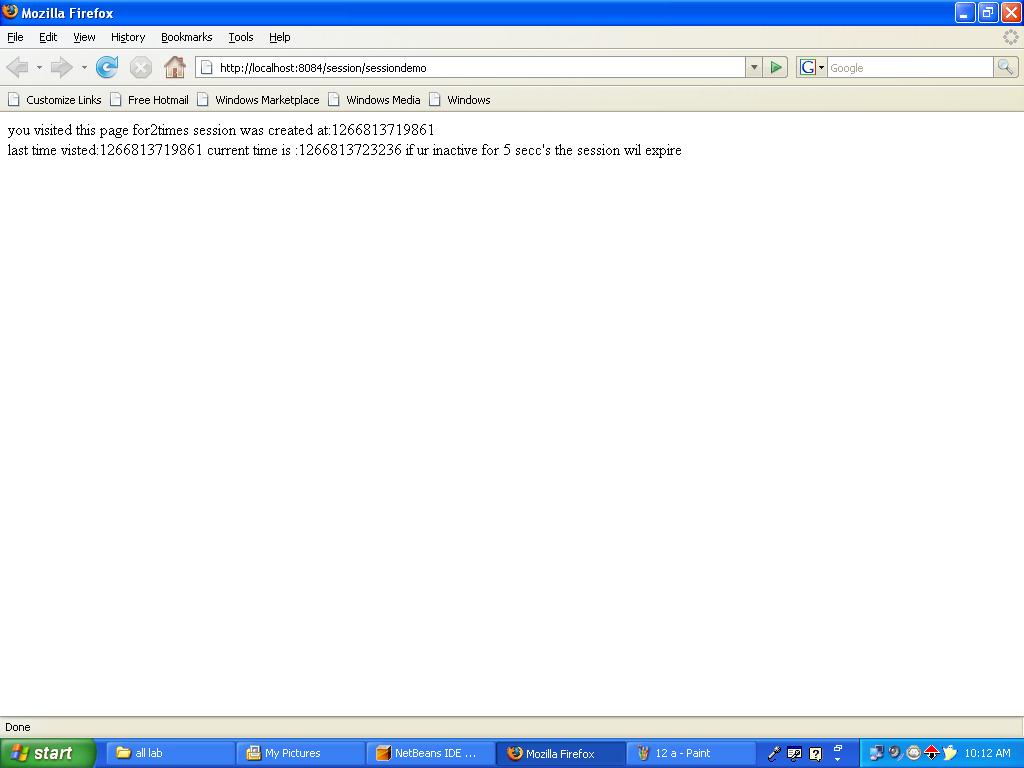
pw.println("if ur inactive for 5 secc's the session wil expire");

}

}

**OUTPUT:**





**6. Convert the static web pages user login, registration and user profile into dynamic web pages using JSP and JDBC.**

**a. Write a JSP to store user registration data into database table and display confirmation of successful data insertion.**

**Registration.html**

<html>

<head>

<title>Registration</title>

</head>

<body>

<center><h1>Registration</h1>

<form method=get action="User.jsp">

<table>

<tr>

<td>UserName:</td>

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

</tr>

<tr>

<td>Password:</td>

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

</tr>

<tr>

<td>Confirm Password:</td>

<td><input type="password" name="conpwd"></td>

</tr>

<tr>

<td>Email ID:</td>

<td><input type="text" name="email"></td>

</tr>

<tr>

<td><input type="Submit" value="Submit"></td>

<td><input type="Reset" value="Reset"></td>

</tr>

</table>

</form>

</center>

</body>

</html>

**User.jsp**

<html>

<body>

<%@page contentType="text/html" import="java.io.\*,java.sql.\*,javax.servlet.\*,javax.servlet.http.\*"%>

<%

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

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

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

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

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

try

{

Class.forName("sun.jdbc.odbc.JdbcOdbcDriver");

Connection con=DriverManager.getConnection("jdbc:odbc:servlet","scott","tiger");

Statement st=con.createStatement();

st.executeUpdate("insert into register808 values('"+name+"','"+pwd+"','"+conpwd+"','"+email+"')");

out.println("<h2>Data inserted successfully</h2>");

}

catch(Exception e)

{

System.out.println(e);

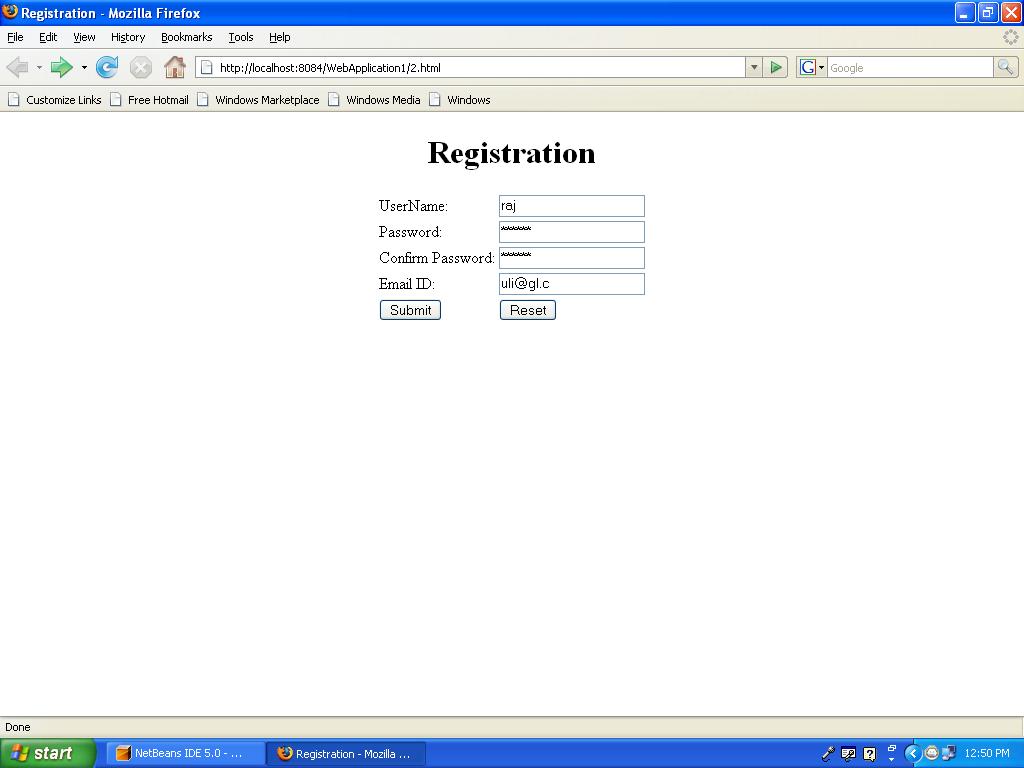
}

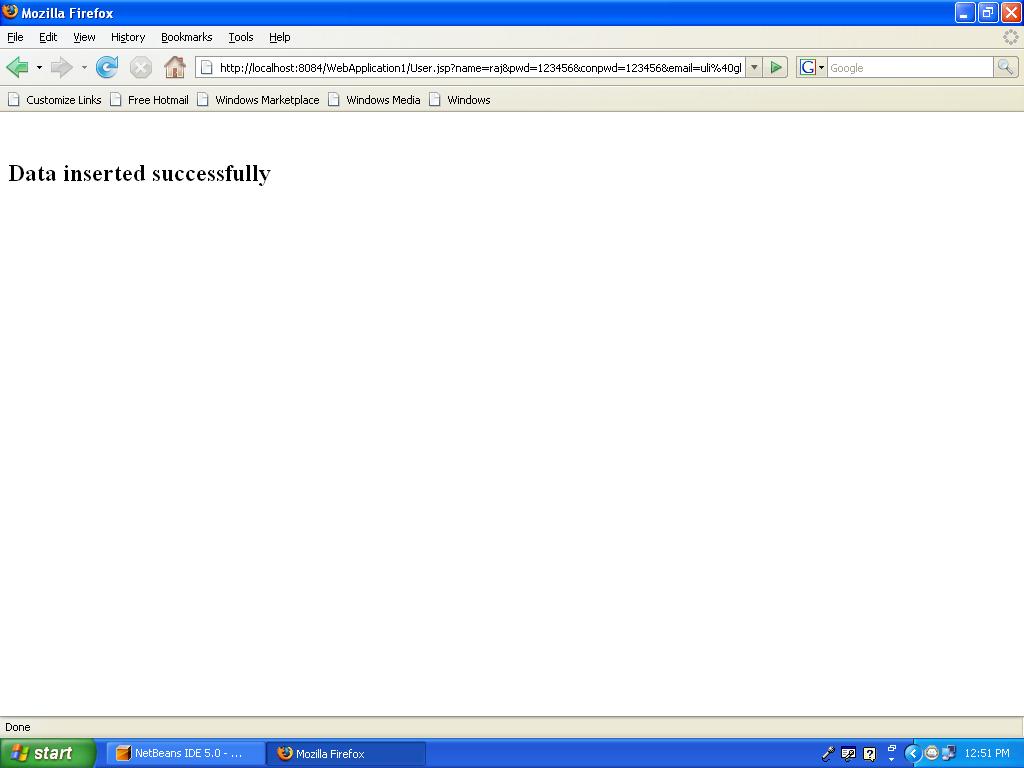
%>

</body>

</html>

**OUTPUT:**





**b. Write a JSP to validate user login by storing user login data in the database table**

**login.html**

<html>

<head>

<title>Login Validity</title>

</head>

<body>

<center><h1>User Login</h1>

<form method=get action="Servlet1.jsp">

<table>

<tr>

<td>Enter name:</td>

<td><input type="text" name="username"></td>

</tr>

<tr>

<td>Enter Password:</td>

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

</tr>

</table>

<input type="Submit" value="Submit">

<input type="Reset" value="Reset">

</form>

</center>

</body>

</html>

**Servlet1.jsp**

<html>

<body>

<%@page contentType="text/html" import="java.io.\*, java.net.\*,java.sql.\*,javax.servlet.\*,javax.servlet.http.\*"%>

<%

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

String n1=request.getParameter("username");

String n2=request.getParameter("password");

try {

Class.forName("sun.jdbc.odbc.JdbcOdbcDriver");

Connection con=DriverManager.getConnection("jdbc:odbc:servlet","scott","tiger");

Statement st=con.createStatement();

ResultSet rs=st.executeQuery("select \* from register808 where name like '"+n1+"' and pwd like '"+n2+"' ");

rs.next();

if(rs.getRow()!=0) {

out.println("<center><h1>valid user</h1>");

} else

out.println("<h1>invalid user</h1></center>");

out.close();

con.close();

} catch(Exception e2) {

out.println(e2.getMessage());

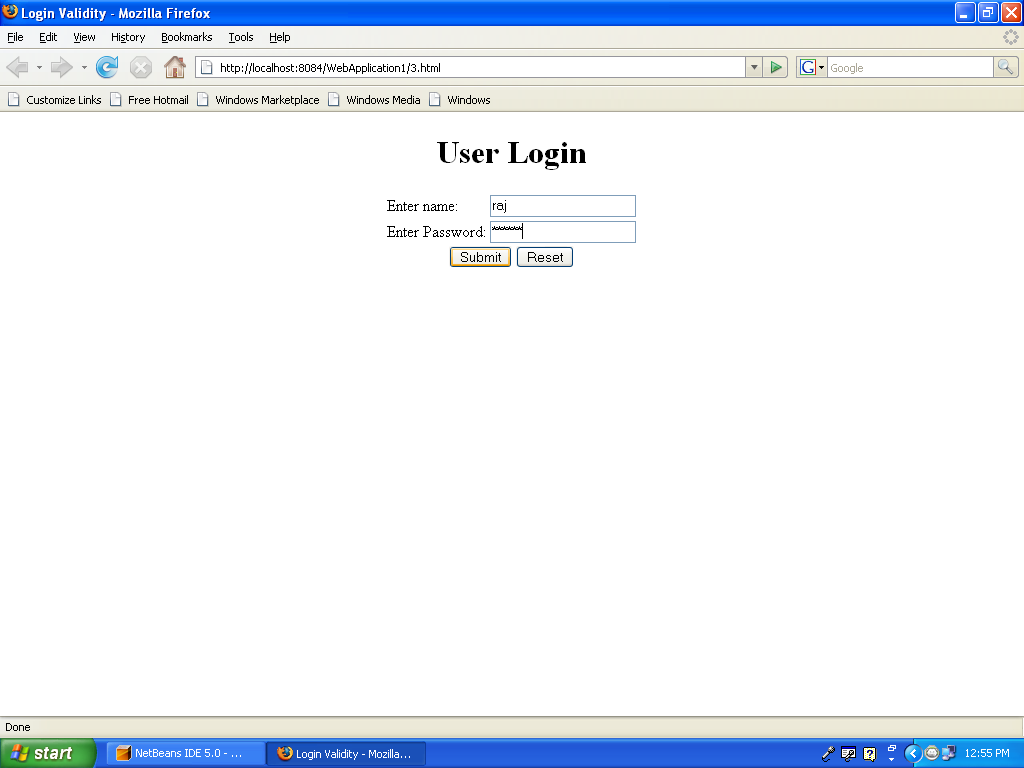
}

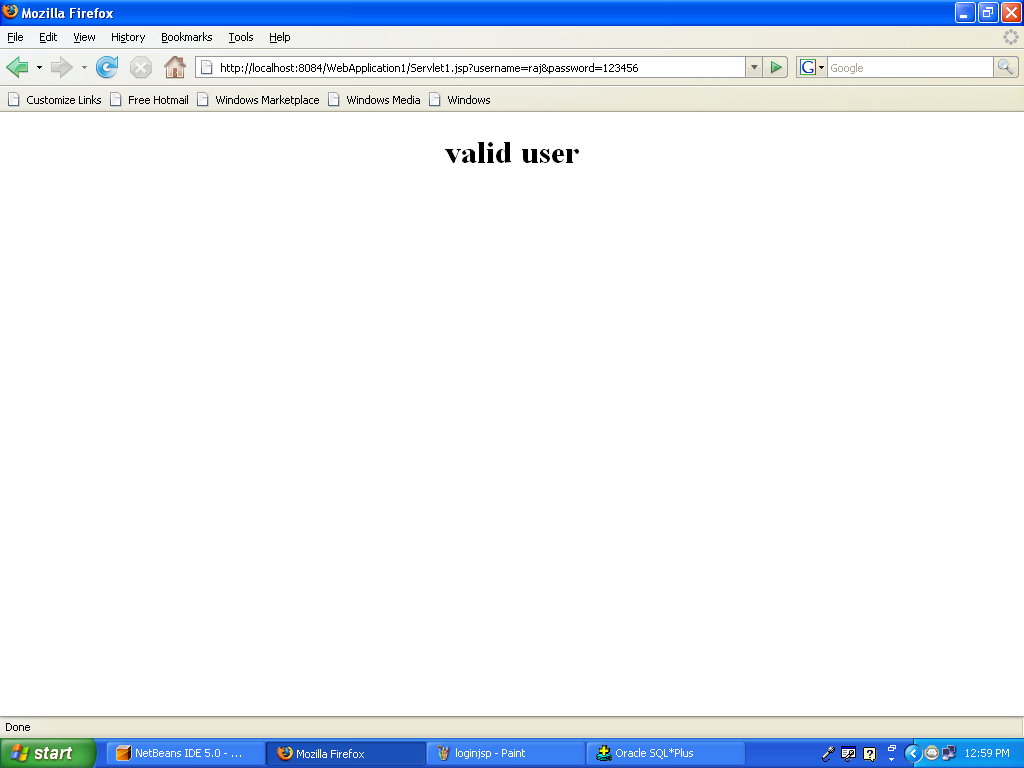
%>

</body>

</html>

**Output:**

****

****

**c. Write a JSP to store user profile data into the database table.**

**Userprofile.html**

<html>

<head>

<title>User Profile</title>

</head>

<body>

<center>

<h1>User Profile</h1>

<form method="get" action="Profile.jsp">

<table>

<tr>

<td>Name:</td>

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

</tr>

<tr>

<td>e-mail id:</td>

<td><input type="text" name="email"></td>

</tr>

<tr>

<td>DOB(DD MM YYYY):</td>

<td><select name="dd">

<option>01</option><option>02</option><option>03</option><option>04</option>

<option>05</option><option>06</option><option>07</option><option>08</option>

<option>09</option><option>10</option><option>11</option><option>12</option>

<option>13</option><option>14</option><option>15</option><option>16</option>

<option>17</option><option>18</option><option>19</option><option>20</option>

<option>21</option><option>22</option><option>23</option><option>24</option>

<option>25</option><option>26</option><option>27</option><option>28</option>

<option>29</option><option>30</option><option>31</option>

</select>

<select name="mm">

<option>Jan</option><option>Feb</option><option>Mar</option><option>Apr</option>

<option>May</option><option>Jun</option><option>Jul</option><option>Aug</option>

<option>Sept</option><option>Oct</option><option>Nov</option><option>Dec</option>

</select>

<select name="yy">

<option>1985</option><option>1986</option><option>1987</option><option>1988</option>

<option>1989</option><option>1990</option><option>1991</option><option>1992</option>

<option>1993</option><option>1994</option><option>1995</option><option>1996</option>

<option>1997</option><option>1998</option><option>1999</option><option>2000</option>

<option>2001</option><option>2002</option><option>2003</option><option>2004</option>

<option>2005</option><option>2006</option><option>2007</option><option>2008</option>

<option>2009</option><option>2010</option>

</td>

</tr>

<tr>

<td>Gender:</td>

<td><input type="radio" name="Male" value="Male">Male

<input type="radio" value="Female" name="Male">Female

</td>

</tr>

<tr>

<td>City:</td>

<td><select name="city">

<option>Allahabad</option><option>Amritsar</option><option>Bangalore</option>

<option>Chennai</option><option>Dehradun</option><option>Faridabad</option>

<option>Gangtok</option><option>Hyderabad</option><option>Jaipur</option>

<option>Kanpur</option><option>Lucknow</option><option>Mumbai</option>

<option>Nagpur</option><option>Patna</option><option>Ranchi</option>

<option>Surat</option>

<option>Tirupati</option><option>Vizag</option><option>Wadi</option>

</select></td></tr>

<tr><td>State:</td>

<td><select name="State">

<option>AP</option><option>Bihar</option><option>Chandigarh</option><option>Delhi</option>

<option>Jharkhand</option><option>Kerala</option><option>Maharashtr</option><option>TamilNad</option>

</select></td></tr>

<tr><td>Phone No:</td>

<td><input type="text" name="phone"></td>

</tr>

<tr><td>Address</td>

<td><textarea rows="5" cols="30" name="address"></textarea>

</td></tr>

</table>

<input type="Submit" value="Submit">

<input type="Reset" value="Reset">

</form>

</body>

</center>

</html>

**Profile.jsp**

<html>

<body>

<%@page contentType="text/html" import=" java.io.\*,java.net.\*,java.sql.\*,javax.servlet.\*,javax.servlet.http.\*"%>

<%

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

//PrintWriter out = response.getWriter();

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

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

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

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

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

String gender=request.getParameter("Male");

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

String state=request.getParameter("State");

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

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

try {

Class.forName("sun.jdbc.odbc.JdbcOdbcDriver");

Connection con=DriverManager.getConnection("jdbc:odbc:sample","scott","tiger");

Statement st=con.createStatement();

int n=st.executeUpdate("insert into userprofile814 values('"+name+"','"+email+"','"+dd+"','"+mm+"','"+yy+"','"+gender+"','"+city+"','"+state+"','"+phone+"','"+address+"')");

if(n>0)

out.println("<h1>Data Has Been Inserted Successfully</h1>");

else

out.println("data not inserted");

} catch(Exception e) {

out.println(e);

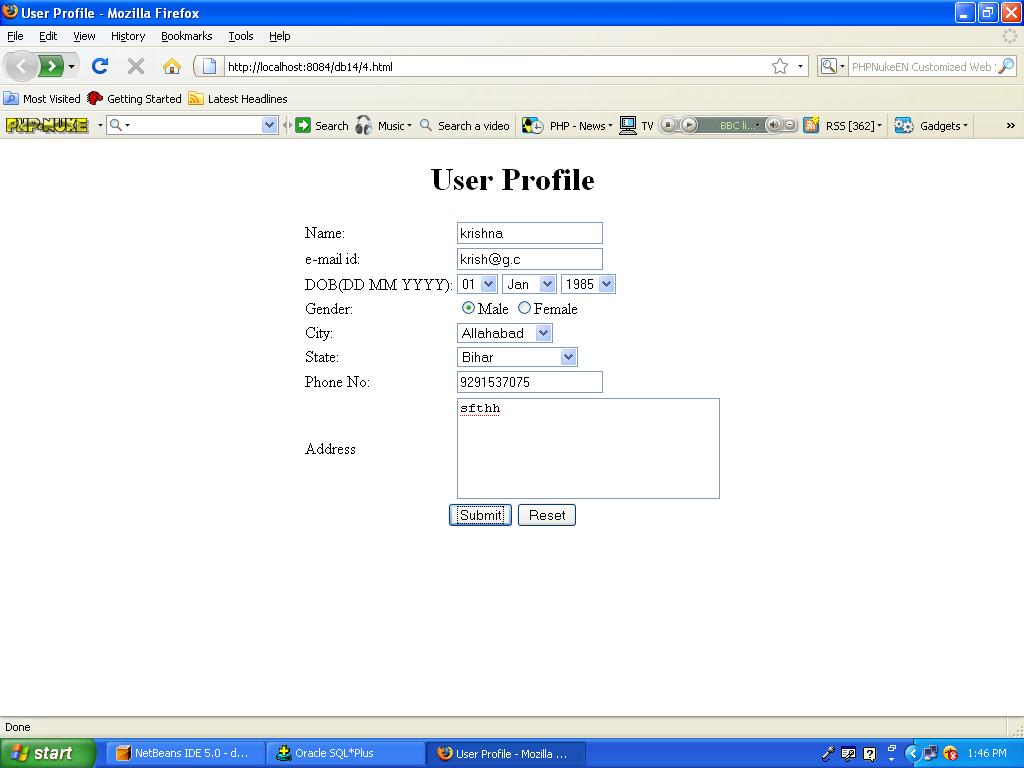
}

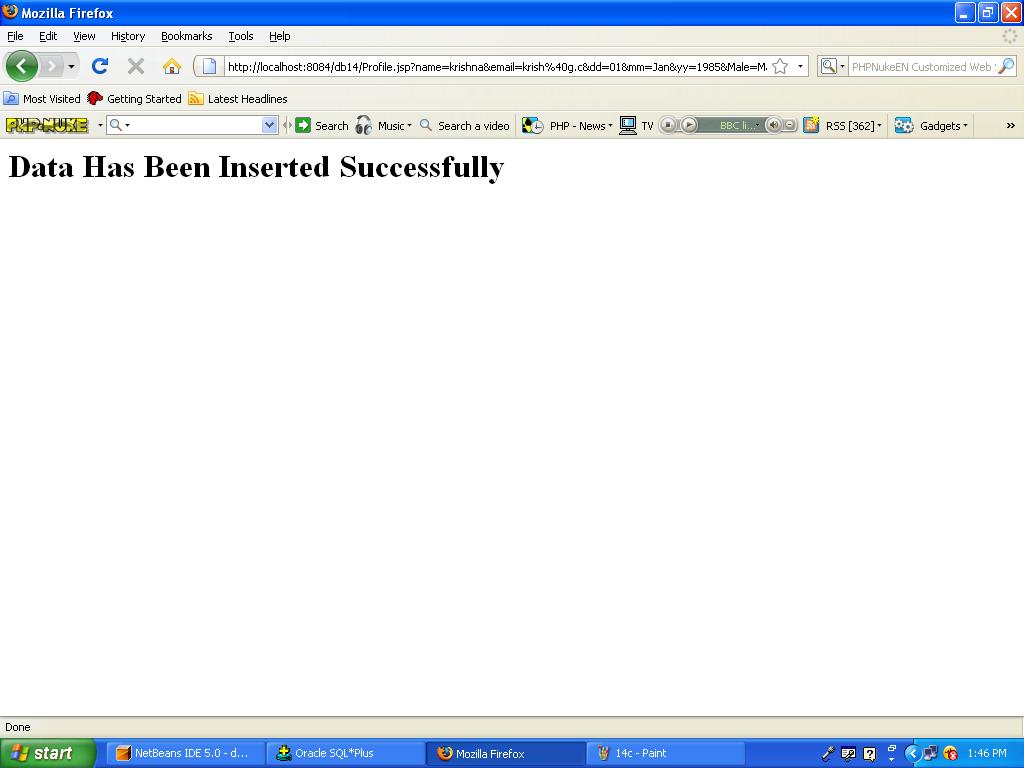
%>

</body>

</html>

**OUTPUT:**





**8. Convert the static web pages user login, Registration and user profile into dynamic web pages using Servlets and JDBC.**

**Write the following programs**

**a). Write a servlet program to store user registration data into database,**

**and display the confirmation of successful data insertion.**

**Registration .html**

<html>

<head>

</head>

<body>

<h1 align="center">USER REGISTRATION</h1>

<form name="form" method="get" action="user">

<center>

<table border="0">

<tr><td>USER NAME:</td><td><input type="text" name="username" size=40></td></tr>

<tr><td>EMAIL ID:</td><td><input type="text" name="email" size=40></td></tr>

<tr><td>PASSWORD:</td><td><input type="password" name="password" size=40></td></tr>

<tr><td>CONFORM PASSWORD:</td><td><input type="password" name="cpassword" size=40></td></tr>

<tr><td></td><td><input type="submit" value="submit"><input type="reset" value="reset"></td></tr>

</form>

</body>

</html>

**User.java**

import java.io.\*;

import java.sql.\*;

import javax.servlet.\*;

import javax.servlet.http.\*;

public class user extends HttpServlet

{

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

{

res.setContentType("text/html");

PrintWriter pw=res.getWriter();

String userid=req.getParameter("username");

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

String psw=req.getParameter("password");

String cpsw=req.getParameter("cpassword");

Connection con;

Statement stmt;

int n;

try

{

Class.forName("sun.jdbc.odbc.JdbcOdbcDriver");

}

catch(Exception e1)

{

pw.println(e1.getMessage());

}

try

{

con=DriverManager.getConnection("Jdbc:Odbc:serv17","mtech09817","mtech09817");

stmt=con.createStatement();

n=stmt.executeUpdate("insert into register817 values('"+userid+"','"+email+"','"+psw+"','"+cpsw+"')");

if(n>0)

{

pw.println("data inserted");

}

else

pw.println("data not inserted");

}

catch(SQLException e)

{

pw.println(e.getMessage());

}

}

}

**OUTPUT:**

