

Ex No: 1	CREATE A WEB PAGE WITH THE FOLLOWING USING HTML.
Date:	

AIM:

1. To Create a web page with the following using HTML.
 - To embed an image map in a web page.
 - To fix the hot spots.
 - Show all the related information when the hot spots are clicked.

ALGORITHM:

- Create a html file with map tag.
- Set the source attribute of the img tag to the location of the image and also set the use map attribute.
- Specify an area with name, shape and href set of the appropriate value.
- Repeat step3 as many hot spots you want to put in the map.
- Create html file for each and every hot spots the user will select the particular location it shows information about it.

PROGRAM:

```

/*mapping.html*/
<html>
<head>
<title>India Map</title>
</head>
<body bgcolor="PINK">
<font face="Monotype Corsiva" color="BLUE" size="6">
<marquee direction="left" behavior="alternate">INDIA MAP
</marquee>
</font>
<hr size="6" color="RED">
<map name="pagemap">
<area shape="rect" coords="194,151,247,219" href="map1.html">
<area shape="rect" coords="291,268,384,337" href="map2.html">
<area shape="rect" coords="100,337,197,384" href="map3.html">
<area shape="rect" coords="236,543,344,577" href="map4.html">
</map>

</body>
<font color="#ff0000" size="5">

```

<p>Hints:<i>Click on the Name of the Cities in the map
to know itsdescription</i></p>

</html>

/*map1.html*/

<html>

<body bgcolor="SKYBLUE">

<center><i><tt>Delhi is the capital of our INDIA
 and
More IT
companies areCamped at Delhi</tt></i></center>

Home Page

</body>

</html>

/*map2.html*/

<html>

<body bgcolor="SKYBLUE">

<center><i>Calcutta is the wealthy city in WEST BENGAL
 and
it
has Famous"Sunderbans Forests"</i></center>

Home Page

</body></html>

/*map3.html*/

<html>

<body bgcolor="DARKGREEN">

<center>MUMBAI is the capital of Maharashtra
 and
it has
Famous IndiaGate</center>

Home Page

</body>

</html>

/*map4.html*/

<html>

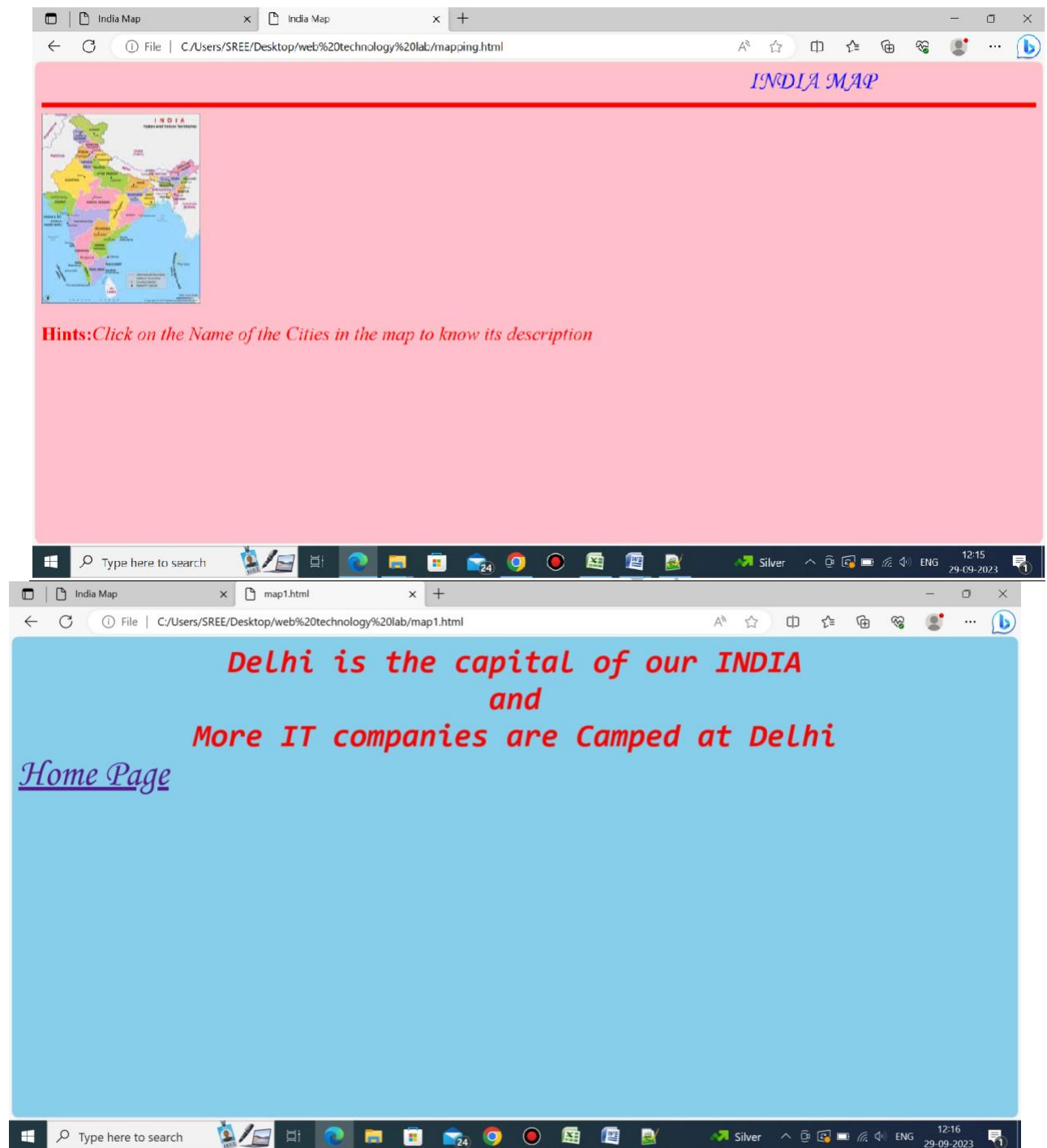
<body bgcolor="BLACK">

<center>Chennai is hte capital of Tamil Nadu
 and
More IT companies
are camped atChennai</center>

Home Page

</body></html>

OUTPUT:



RESULT: Thus creation of an webpage using cascading style sheet has been developed successfully.

ii) Using Javascript to display the above

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Image Map Example</title>
  <style>
    #map-container {
      position: relative;
    }

    #info-box {
      position: absolute;
      top: 10px;
      left: 10px;
      padding: 10px;
      background-color: #fff;
      border: 1px solid #ccc;
      border-radius: 4px;
      display: none;
    }
  </style>
</head>
<body>

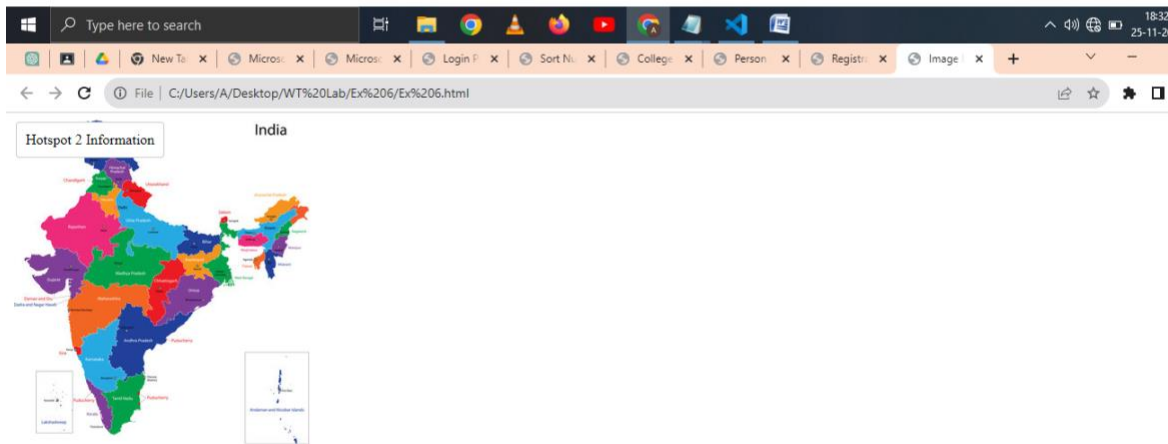
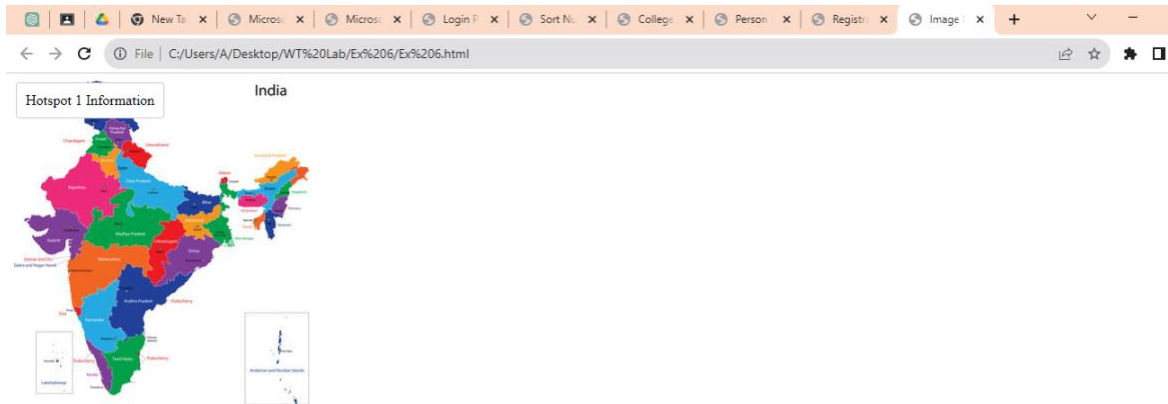
  <div id="map-container">
    

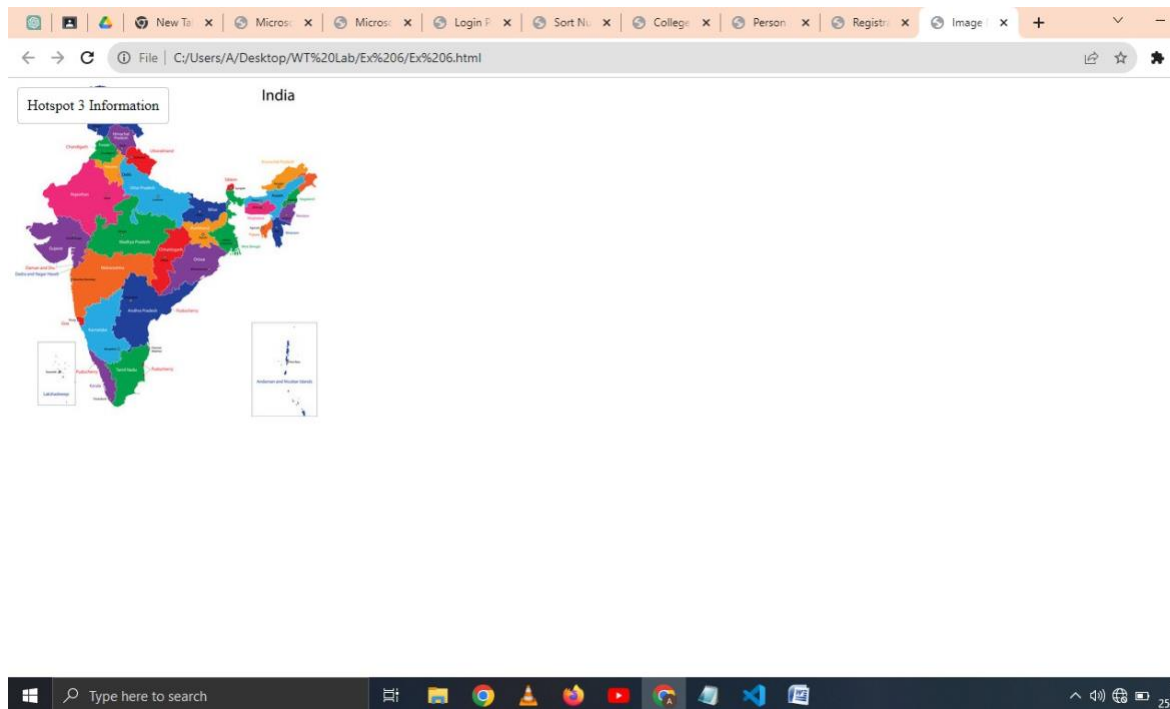
    <map name="hotspots">
      <!-- Define hot spots with coordinates -->
      <area shape="rect" coords="10,10,100,100" alt="Hotspot 1" onclick="showInfo('Hotspot 1
Information')">
      <area shape="circle" coords="150,150,50" alt="Hotspot 2" onclick="showInfo('Hotspot 2
Information')">
      <area shape="poly" coords="300,10,400,50,350,100" alt="Hotspot 3"
onclick="showInfo('Hotspot 3 Information')">
    </map>
  </div>

  <div id="info-box"></div>

  <script>
    function showInfo(info) {
      // Display related information in the info-box
      var infoBox = document.getElementById("info-box");
      infoBox.innerHTML = info;
      infoBox.style.display = "block";
    }
  </script>
```

</body>
</html>





Ex No:2	CREATE A WEB PAGE WITH ALL TYPES OF CASCADING STYLE SHEETS.
Date:	

AIM:

To create a webpage with the following using html to embedded the style sheet

ALGORITHM:

- Step1: Create html file with the style tag, inside head tag.
- Step2: Set the style such as font-family, font-size, color, left etc, for the headingh1,h2,...h6 and respectively.
- Step3: Close the head tag.
- Step4: Specify the heading and information required inside the body tag.
- Step5: Close the opened tag.

PROGRAM:

```
<!DOCTYPE html >

<html xmlns="http://www.w3org/1999/xhtml">

<head>

<title>Embedded style sheet</title>
```

```
<style type="text/css">
h1
{
font-family:arial;
color:green;
}

h2
{
font-family:arial;
color:red;
left:20px;
}

h3
{
font-family:arial;
color:blue;
}

p
{
font-size:14pt;
font-family:verdana;
}

</style>

</head>

<body>

<h1>
<center>This is created using embedded style sheet

</center>

</h1>

<h2>This line is alligned left and red colored;
```

</h2>

<p>

The embedded style sheet is the most commonly used style sheet This paragraph is return in verdana font with font size of 14.

</p>

<h3>

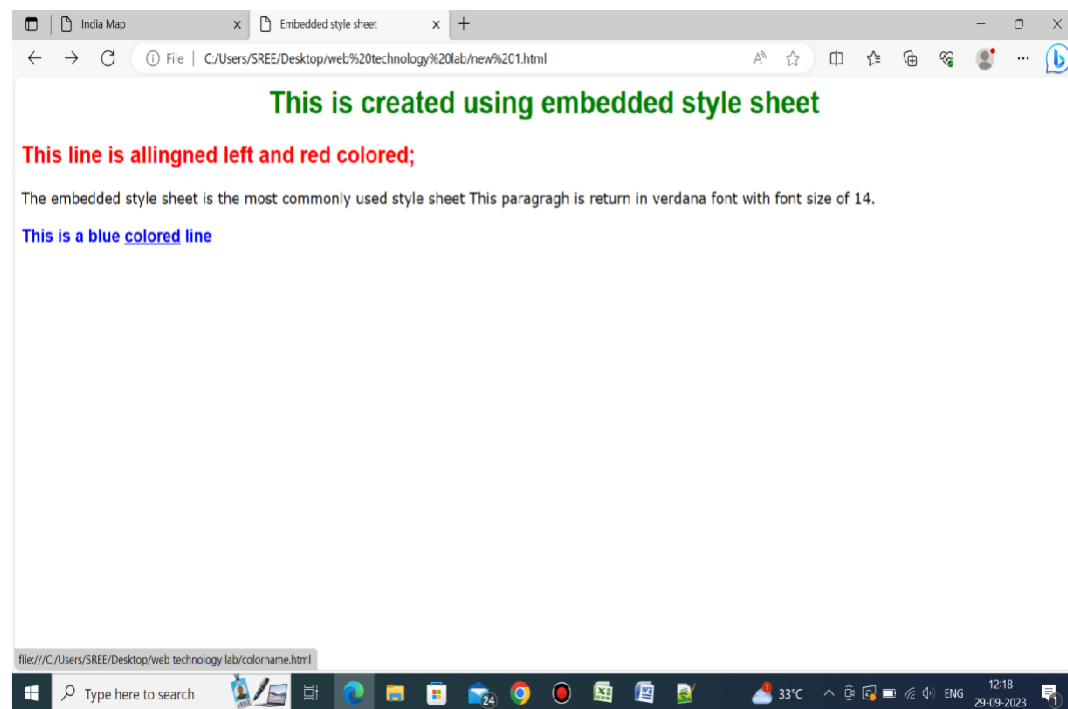
This is a blue colored line

</h3>

</body>

</html>

OUTPUT:



(ii) To Create a web page that displays college information using various style sheets.


```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>College Information</title>

  <!-- Inline Styles -->
  <style>
    body {
      font-family: Arial, sans-serif;
      background-color: #f4f4f4;
      margin: 0;
      padding: 0;
      box-sizing: border-box;
    }

    header {
      background-color: #c683d7;
      color: white;
      text-align: center;
      padding: 1em;
    }

    section {
      margin: 20px;
      padding: 20px;
      background-color: #fff;
      border-radius: 5px;
      box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
    }

    h1 {
      color: #333;
    }

    p {
      line-height: 1.6;
      color: #666;
    }

    footer {
      background-color: #333;
      color: white;
      text-align: center;
      padding: 1em;
    }
```

```

        position: fixed;
        bottom: 0;
        width: 100%;
    }
</style>

<!-- Internal Styles -->
<style>
    h2 {
        color: #008080;
    }

    ul {
        list-style-type: none;
        padding: 0;
    }

    li {
        margin-bottom: 8px;
    }
</style>

<!-- External Styles -->
<link rel="stylesheet" href="styles.css">
</head>
<body>

    <header>
        <h1> Grace College Information</h1>
    </header>

    <section>
        <h2>About Us</h2>
        <p>Welcome to our college! We are committed to providing quality education
and fostering a supportive learning environment.</p>
    </section>

    <section>
        <h2>Courses Offered</h2>
        <ul>
            <li>CSE</li>
            <li>EEE</li>
            <li>ECE</li>
            <li>B.Tech: AI-DS</li>
            <li>CIVIL</li>
            <li>MECH</li>
        </ul>
    </section>

```

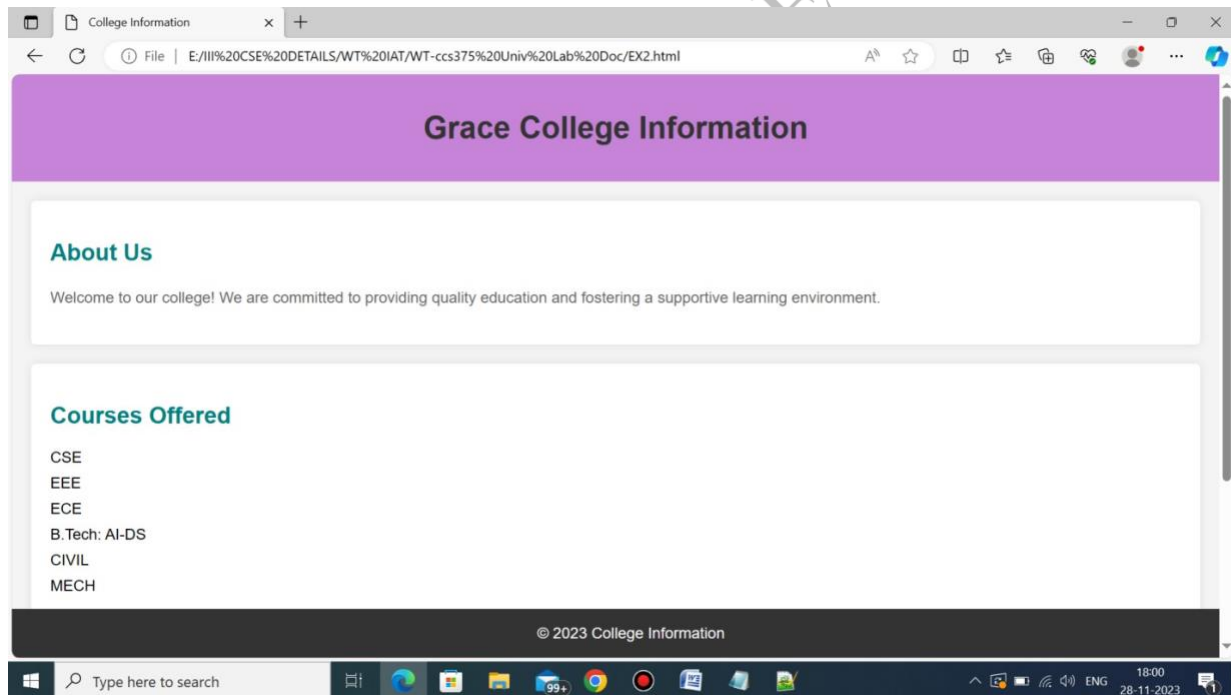
```
</ul>
</section>

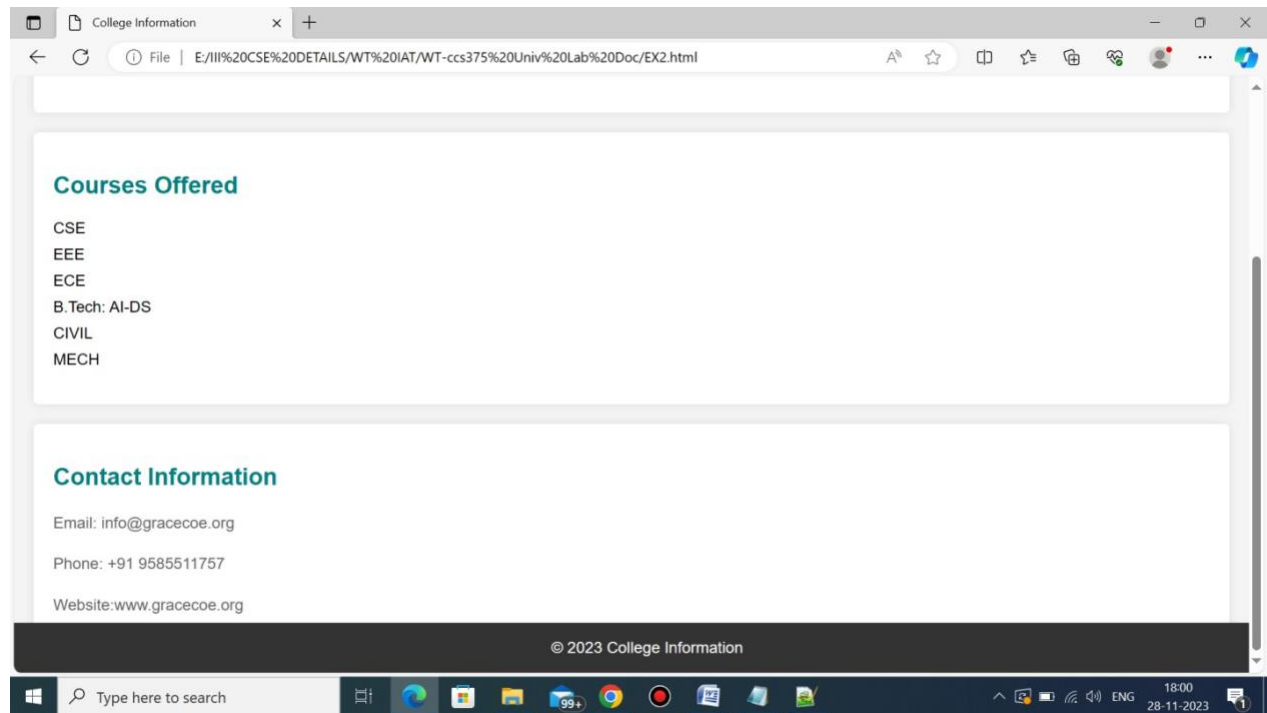
<section>
  <h2>Contact Information</h2>
  <p>Email: info@gracecoe.org</p>
  <p>Phone: +91 9585511757</p>
  <p>Website:www.gracecoe.org</p>
</section>

<footer>
  &copy; 2023 College Information
</footer>

</body>
</html>
```

Output:





RESULT: Thus creation of an webpage using cascading style sheet has beendeveloped successfully.

Ex No:3	CLIENT SIDE SCRIPTS FOR VALIDATING WEB FORM CONTROLS USING DHTML
Date:	

AIM:

To develop a program for validating web form control using DHTML.

ALGORITHM:

- Step1: Start the program.
- Step2: Define the title within the tag.
- Step3: Give the script type within the script tag.
- Step4: Validate each and every column as the box with the if condition.
- Step5: If empty value are given or the block term are next then it is verified with certain condition.
- Step6: If values is empty then a message is been displayed.
- Step7: Form is designed with GUI tool is description.
- Step8: All buttons are processed accordingly.
- Step9: Stop the program.

PROGRAM:

//Webforms.html

```

<html>
<head>
<script type='text/javascript'>
function formValidator()
{
var firstname=document.getElementById('firstname');
var lastname=document.getElementById('lastname');
var addr=document.getElementById('addr');
var zip=document.getElementById('zip');
var Countries=document.getElementById('Countries');
var username=document.getElementById('username');
var email=document.getElementById('email');
var dd=document.getElementById('dd');
var mm=document.getElementById('mm');
var yyyy=document.getElementById('yyyy');
var comment=document.getElementById('comment');
var password=document.getElementById('password');
if(isAlphabet(firstname,"Please enter only letters for your First name"))
{
if(isAlphabet(lastname,"Please enter only letters for your Last name"))
{

```

```

if(isNumeric(dd,"Please enter a date"))
{
if(madeSelection(mm,"Please Choose"))
{
if(isNumeric(yyyy,"Please enter a year"))
{
if(isAlphanumeric(addr,"Enter Numbers and letters only for address"))
{
if(isNumeric(zip,"please enter a valid zip code"))
{
if(madeSelection(Countries,"Please Choose"))
{
if(lengthRestriction(username,6,8))
{
if(isAlphanumeric(password,"Enter Numbers and letters only for password"))
{
if(emailValidator(email,"Please enter a valid email address"))
{
if(notEmpty(comment,"Please fill the comment"))
{
document.write("<b><i>Thank's for submitting your details</i></b>");
alert("Successful Entry!!");
return true;
}}}}}}}}}}}}
return false;
}
function notEmpty(elem,helperMsg)
{
if(elem.value.length==0)
{
alert(helperMsg);
elem.focus();
return false;
}
return true;
}
function isNumeric(elem,helperMsg)
{
var numericExpression=/^[0-9]+$/;
if(elem.value.match(numericExpression))
{
return true;
}
else
{
alert(helperMsg);elem.focus(); return false;
}
}

```

```

    }
    function isAlphabet(elem,helperMsg)
    {
    var alphaExp=/^[a-zA-Z]+$/; if(elem.value.match(alphaExp))
    {
    return true;
    }
    else
    {
    alert(helperMsg);
    elem.focus();
    return false;
    }
    }
    function isAlphanumeric(elem,helperMsg)
    {
    var alphaExp=/^[0-9, a-z a-z, 0-9, A-Z A-Z, - 0-9 . ]+$/;
    if(elem.value.match(alphaExp))
    {
    return true;
    }
    else
    {
    alert(helperMsg);elem.focus(); return false;
    }
    }
    function lengthRestriction(elem,min,max)
    {
    var unput=elem.value;
    if(unput.length>=min&&unput.length<=max)
    {
    return true;
    }
    else
    {
    alert("Please enter between "+min+" and "+max+" charactters");
    elem.focus();
    return false;
    }
    }
    function madeSelection(elem,helperMsg)
    {
    if(elem.value=="Please Choose")
    {
    alert(helperMsg);elem.focus(); return false;
    }
    else

```

```

{
return true;
}
}
function emailValidator(elem,helperMsg)
{
var emailExp=/^[0-9 a-z . a-z 0-9]+\@[a-z]+\.[a-z]{2,4}$/;
if(elem.value.match(emailExp))
{
return true;
}
else
{
alert(helperMsg);elem.focus(); return false;
}
}
</script>
<h1><center><b>
<font color="#347235">Please Enter YourDetails</font></b></center>
</h1>
</head>
<body bgcolor="LIGHTGREEN">
<hr>
<form onsubmit='return formValidator()' height="50%">
<table height="50%" border="3pt" align="center">
<tr><td><b>
<font color="#347235">First Name:</font></b></td>
<td><input type='text' id='firstname'/></td></tr><br />
<tr><td><b>
<font color="#347235">Last Name:</font></b></td>
<td><input type='text' id='lastname'/></td></tr><br />
<tr><td><b>
<font color="347235">Date of Birth(dd/mm/yyyy):</font></b></td>
<td><input type='text' id='dd' />
<select id='mm'>
<option>Please Choose</option>
<option value="1">Jan</option>
<option value="2">Feb</option>
<option value="3">Mar</option>
<option value="4">Apr</option>
<option value="5">May</option>
<option value="6">Jun</option>
<option value="7">Jul</option>
<option value="8">Aug</option>
<option value="9">Sep</option>
<option value="10">Oct</option>

```



```

<option value="11">Nov</option>
<option value="12">Dec</option>
</select>
<input type='text' id='yyyy' /></td></tr><br />
<tr><td><b>
<font color="#347235">Address:</font></b></td>
<td><input type='text' id='addr' /></td></tr><br />
<tr><td><b>
<font color="#347235">Zip code:</font></b></td>
<td><input type='text' id='zip' /></td></tr><br />
<tr><td><b>
<font color="#347235">Countries:</font></b></td>
<td><select id='Countries'>
<option>Please Choose</option>
<option value="United Kingdom">United Kingdom</option>
<option value="Afghanistan">Afghanistan</option>
<option value="America">America</option>
<option value="India">India</option>
<option value="Tanzania">Tanzania</option>
<option value="Zimbabwe">Zimbabwe</option>
<option value="Switzerland">Switzerland</option>
</select></td></tr><br />
<tr><td><b>
<font color="#347235">Username(6-8 characters):</font></b></td>
<td><input type='text' id='username' /></td></tr><br />
<tr><td><b>
<font color="#347235">Password:</font></b></td>
<td><input type='password' id='password' /></td></tr><br />
<tr><td><b>
<font color="#347235">Email:</font></b></td>
<td><input type='text' id='email' /></td></tr><br />
<tr><td><b>
<font color="#347235">Comment:</font></b></td>
<td><textarea id='comment' cols="20" rows="5"
name="Address"></textarea></td></tr><br />
<tr><td><input type='submit' value='Check Form' /></td></tr>
</table>
</form>
</body>
</html>

```

OUTPUT:

India Map x new 1.html x +

File | C:/Users/SREE/Desktop/web%20technology%20lab/new%201.html

Please Enter Your Details

First Name:	Grace
Last Name:	Collage
Date of Birth(dd/mm/yyyy):	01-01-2021 Jan
Address:	Mulakadu
Zip code:	628005
Countries:	India
Username(6-8 characters):	1234
Password:	***
Email:	portodi@gracecoe.orgG
Comment:	Thank You
Check Form	

Type here to search 33°C 12:21 29-09-2023

Apply validation

India Map x new 1.html x +

File | C:/Users/SREE/Desktop/web%20technology%20lab/new%201.html

This page says

Please enter a date

OK

First Name:	Grace
Last Name:	Collage
Date of Birth(dd/mm/yyyy):	01-01-2021 Jan
Address:	Mulakadu
Zip code:	628005
Countries:	India
Username(6-8 characters):	1234
Password:	***
Email:	portodi@gracecoe.orgG
Comment:	Thank You
Check Form	

Type here to search 33°C 12:22 29-09-2023

RESULT: Thus developing client side scripts for validating web from controls using DHTML has been verified.

Ex No :5	Write programs in Java using Servlets: <ul style="list-style-type: none"> ● To invoke servlets from HTML forms. ● Session Tracking.
Date:	

AIM

To . Write programs in Java using Servlets:

- To invoke servlets from HTML forms.
- Session Tracking.

ALGORITHM:

Step1: In html program, define the html, head and title tag.

Step2: Then the title is Student Information Form and close the title and head tag.

Step3: Define the body tag inside the body tag create form and tablesimultaneously.

Step4: The table consists of following information Roll no, Student name,Address, Phone no and total marks.

Step5: In the servlet program, import the summary package and create a ownservlet class extends with generic servlet.

Step6: In the service method defined to request and response.

Step7: Create the object and for print writer and get writer() value.

Step8: The enumeration object get the servlet request parameter.

Step9: Create objects for string method and it is displayed another object value received get parameter of name received and displayed the value received value.

PROGRAM:

```
//index.jsp
<html>
<head>
<title>Processing get requests with data</title>
</head>
<body>
<form action = "Servlet3" method = "get">
```

```

<b><p><label>Enter Your name Please!!
<br />
<input type = "text" name = "firstname" />
<input type = "submit" value = "Submit" />
</label></p></b>
</form>
</body>
</html>

```

//Servlet3.java

```

import java.io.IOException;
import java.io.PrintWriter;
import javax.servlet.ServletException;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
public class Servlet3 extends HttpServlet
{
protected void doGet(HttpServletRequest request, HttpServletResponse response)
    throws ServletException, IOException
    {
String firstName = request.getParameter( "firstname" );
response.setContentType( "text/html" );
PrintWriter out = response.getWriter();
// send XHTML document to client
// start XHTML documentout.println( "<html>" );
// head section of documentout.println( "<head>" );
out.println("<title>Processing get requests with data</title>" );
out.println( "</head>" );
// body section of documentout.println( "<body>" );
out.println( "<h1>Hello " + firstName + ",<br />" );
out.println( "Welcome to Servlets!</h1>" );
out.println( "</body>" );
// end XHTML document
out.println( "</html>" );
out.close(); // close stream to complete the page
}
public String
getServletInfo() {
return "Short
description";
}
}

```

Program (ii)

Session tracking

GfgSession.java

// Java Program to Illustrate Creation and last-accessed

// Times for a Session

// Import required java libraries

import java.io.*;

import java.util.*;

import javax.servlet.*;

import javax.servlet.http.*;

// Extend HttpServlet class

public class GfgSession extends HttpServlet

{

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

{

// Create a session object if it is already not

// created.

HttpSession session = request.getSession(true);

// Get session creation time.

Date createTime= new Date(session.getCreationTime());

// Get last access time of this web page.

Date lastAccessTime = new Date(session.getLastAccessedTime());

String title = "Welcome Back to GraceCollege";

Integer visitCount = new Integer(0);

String visitCountKey = new String("visitCount");

String userIDKey = new String("userID");

String userID = new String("GFG");

// Check if this is new comer on your web page.

if (session.isNew()) {

title = "Welcome to GraceCollege";

session.setAttribute(userIDKey, userID);

}

else {

visitCount = (Integer)session.getAttribute(visitCountKey);

visitCount = visitCount + 1;

userID= (String)session.getAttribute(userIDKey);

}

session.setAttribute(visitCountKey, visitCount);

// Set response content type

```

response.setContentType("text/html");
PrintWriter out = response.getWriter();

String docType= "<!doctype html public "-//w3c//dtd html 4.0
"+"transitional//en">\n";
out.println(docType + "<html>\n" + "<head><title>" + title + "</title></head>\n"+

"<body bgcolor = \"#f0f0f0\">\n"
    + "<h1 align = \"center\">" + title + "</h1>\n"
    + "<h2 align = \"center\">Gfg Session Information</h2>\n"
    + "<table border = \"1\" align = \"center\">\n"
    +
    "<tr bgcolor = \"#949494\">\n"
    + " <th>Session info</th><th>value</th>"
    + "</tr>\n"
    +
    "<tr>\n"
    + " <td>id</td>\n"
    + " <td>" + session.getId() + "</td>"
    + "</tr>\n"
    +
    "<tr>\n"
    + " <td>Creation Time</td>\n"
    + " <td>" + createTime + " </td>"
    + "</tr>\n"
    +
    "<tr>\n"
    + " <td>Time of Last Access</td>\n"
    + " <td>" + lastAccessTime + "</td>"
    + "</tr>\n"
    +
    "<tr>\n"
    + " <td>User ID</td>\n"
    + " <td>" + userID + "</td>"
    + "</tr>\n"
    +
    "<tr>\n"
    + " <td>Number of visits</td>\n"
    + " <td>" + visitCount + "</td>"
    + "</tr>\n"

```

```

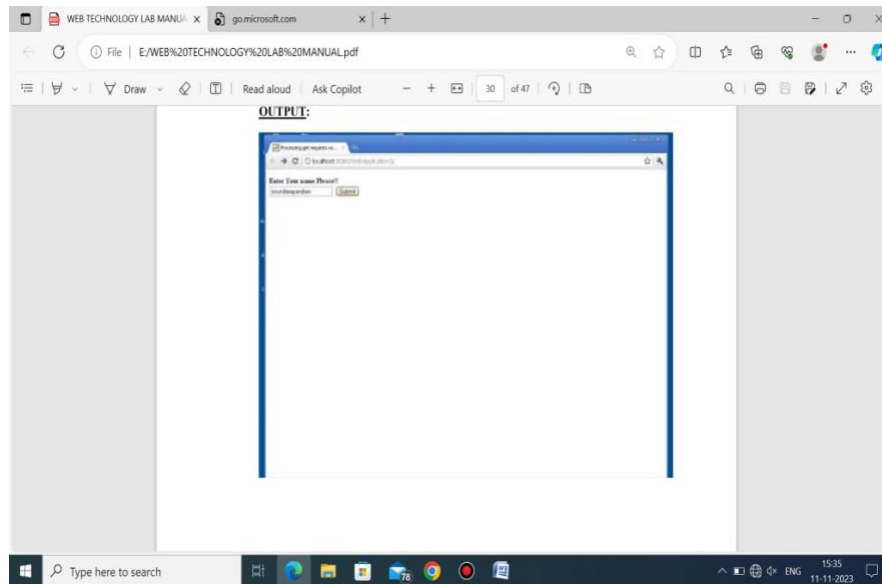
        + "</table>\n"
        + "</body>"
        + "</html>");
    }
}

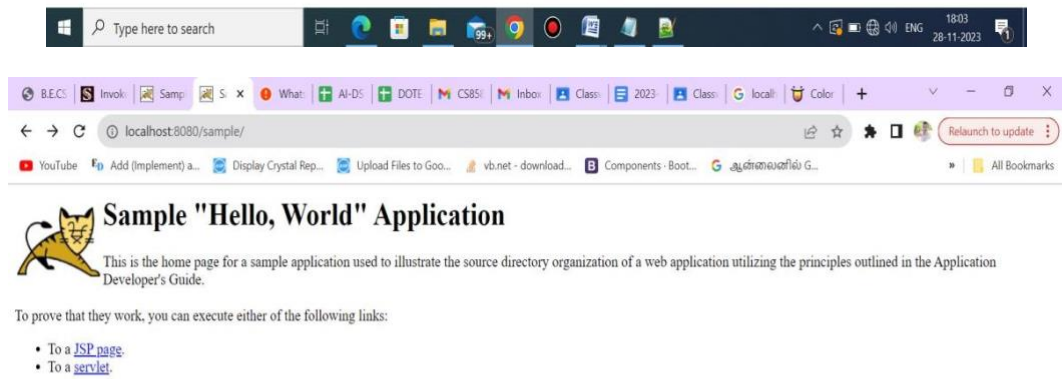
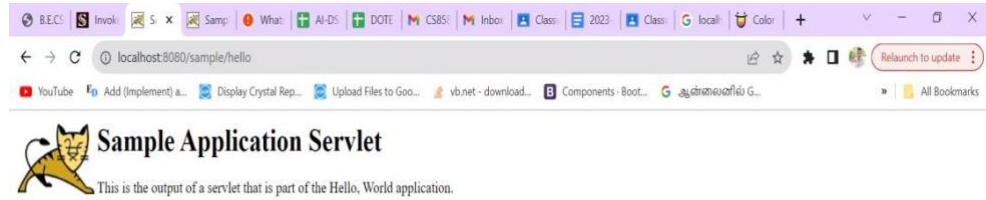
web.xml
<web-app>
<servlet>
<servlet-name>GfgSession</servlet-name>
<servlet-class>GfgSession</servlet-class>
</servlet>

<servlet-mapping>
<servlet-name>GfgSession</servlet-name>
<url-pattern>/GfgSession</url-pattern>
</servlet-mapping>
</web-app>

```

OUTPUT:





RESULT: Thus the invocation of servlet from HTML from has been developed successfully.

Ex No :7	Write programs in Java to create three-tier applications using JSP and Databases
Date:	

AIM:

To write a java servlet program to conduct online examination and to display studentmark list available in a database.

ALGORITHM:

- Step1: Create a html file with form tag.
- Step2: The form tag action="http://localhost:8080/example/servlet/exam".
- Step3: Create a two textbox(name & seat number).
- Step4: The 5 question are defined into true or false model and close the all tags.
- Step5: Import the necessary packages and declare class, class name in exam.
- Step6: Declare the connection, statement and result set object.
- Step7: Use the deposit () for check the connection in JDBC:ODBC driver.
- Step8: The data are inserting into corresponding table.
- Step9: The execute update () are update the database.
- Step10: Display the table in after html file compilation.

PROGRAM:

```
//index.jsp
<html>
<head>
<meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
<title>Welcome to Online Examination!!!!</title>
</head>
<body>
Welcome to Online Examination!!!!
<form action="exam" method="get">
<label><p> Enter Your name Please!!<br/> <input type="text" name="name"/>
<br/>
<input type="submit" name="SUBMIT"/>
</p></label>
</form>
</body>
</html>

//exam.java
import java.io.IOException;
import java.io.PrintWriter;
import javax.servlet.ServletException;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
```

```

public class exam extends HttpServlet {
protected void doGet(HttpServletRequest request, HttpServletResponse response)
throws ServletException, IOException { response.setContentType("text/html");
PrintWriter out=response.getWriter(); String name=request.getParameter("name");
out.println("<html>");
    out.println("<head>");
    out.println("<title>Online Examination</title>");
    out.println("</head>");
    out.println("<body bgcolor=PINK>");
    out.println("<h2 align=center>Online Examination</h2><hr>");
    out.println("<h3 align=center> Welcome Mr."+name+"</h3><hr>");
    out.println("<h4><u>Terms and Conditions:</u></h4>"); out.println("<ul
type=disc>");
    out.println("<li>The Paper consists a set of five questions.</li>");
    out.println("<li>Every question consists of two options.</li>");
    out.println("<li>All must be answered</li></ul><hr>");
    out.println("<center><h5><u>Your Questions</u></h5></center>");
    out.println("<hr>");
    out.println("<form method=get action=exam2>");
    out.println("<p>1.Operating System is a .....</p>");
    out.println("<input type=radio name=q1 value=0>Hardware");
    out.println("<br>");
    out.println("<input type=radio name=q1
value=1>Software");out.println("<hr>");
    out.println("<p>2.Developer of C Language is.....</p>");
    out.println("<br>");
    out.println("<input type=radio name=q2 value=0>Dennis Richee");
    out.println("<br>");
    out.println("<input type=radio name=q2 value=1>James Thompson");
    out.println("<hr>");
    out.println("<p>3.Which of the following is a multitasking,multiuser,multiprocessing);
out.println("OS..... </p>");
    out.println("<br>");
    out.println("<input type=radio name=q3 value=0>MS DOS");out.println("<br>");
    out.println("<input type=radio name=q3 value=1>Windows NT");
    out.println("<hr>");
    out.println("<p>4.Father of Computers is ..... </p>");
    out.println("<br>");
    out.println("<input type=radio name=q4 value=1>Charles babbage");
    out.println("<br>");
    out.println("<input type=radio name=q4 value=0>Charles Dickson");
    out.println("<hr>");
    out.println("<p>5.What is the current generation of computers ?</p>");
    out.println("<br>");
    out.println("<input type=radio name=q5 value=0>Fifth");out.println("<br>");
    out.println("<input type=radio name=q5 value=1>Sixth");

```

```

        out.println("<hr>");
        out.println("<input type=submit value=Done>");
        out.println("</form>");
        out.println("</body>");
        out.println("</html>");
    }
    public String getServletInfo() { return "A Servlet of the user";
    }
}
//exam2.java
import java.io.IOException;
import java.io.PrintWriter;
import javax.servlet.ServletException;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
public class exam2 extends HttpServlet
{
    protected void doGet(HttpServletRequest request, HttpServletResponse response)
        throws ServletException, IOException
    {
        int count=0; response.setContentType("text/html");
        PrintWriter out=response.getWriter();
        String q1=request.getParameter("q1");
        String q2=request.getParameter("q2");
        String q3=request.getParameter("q3");
        String q4=request.getParameter("q4");
        String q5=request.getParameter("q5");
        if(q1.equals("1"))
        {
            count=count+1;
        }
        if(q2.equals("1"))
        {
            count=count+1;
        }
        if(q3.equals("1"))
        {
            count=count+1;
        }
        if(q4.equals("1"))
        {
            count=count+1;
        }
        if(q5.equals("1"))

```

```

        {
            count=count+1;
        }
        out.println("<html>");
        out.println("<head><title>Examination Results</title></head>");
        out.println("<body>");
        out.println("<h2 align=center>Online Examination</h2><hr>");
        out.println("<h3>Number of Questions answered correctly:</h3>"+count);if(count>=3)
        {
            out.println("<hr><h3>Congrats!!! You Have Passed!!!</h3><hr>");
            out.println("<h4><b>Try Other Tests!!</b></h4>");
        }
    else
    {
        out.println("<hr><h3>Sorry!!! You Have Failed!!!</h3><hr>");
        out.println("<h4><b>Try Again:</b></h4>");
    }
    out.println("</body>");
    out.println("</html>");
}
public String getServletInfo() { return "A Servlet of the User";
}
}

```

RESULT: Thus the creation of three tier application using database and JSP has been verified successfully.

Ex No : 8	XML SCHEMA FOR STUDENT DETAILS
Date:	

To write a program for implementing student information using using XML – Schema – XSLT/XSL..

ALGORITHM:

Step1:The XML document reference to the XSL document.

Step2:The create the student information in the student tag and

insert the same information about the student.

Step3:Close all opened tags.

Step4:In XSL document create a html file include the student information in

table format.Step5:Close the necessary tags.

PROGRAM:

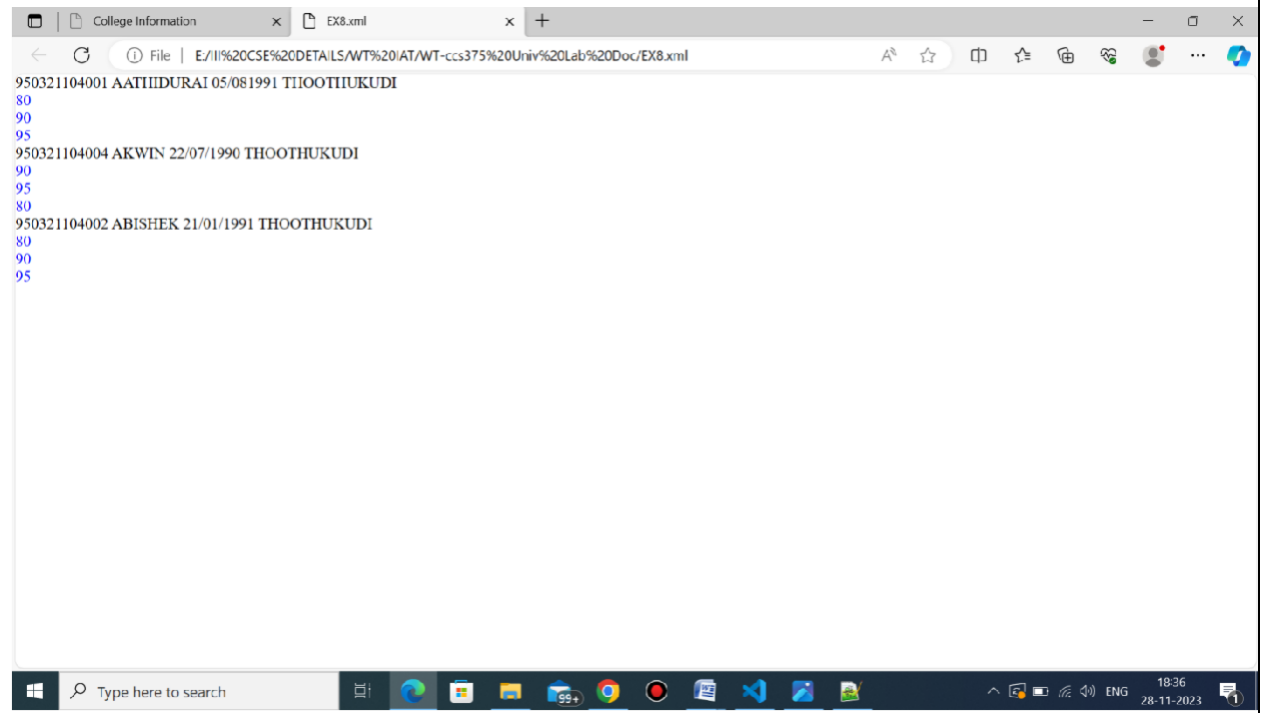
```
//student.xml
<?xml version="1.0"?>
<?xml-stylesheet type="text/css" href="student.css"?>
<!DOCTYPE student SYSTEM "student.dtd">
<students>
<student>
<sno>801041</sno>
<sname>S.Soundarapandian</sname>
<dob>05/081991</dob>
<address>Neyveli</address>
<m1>80</m1>
<m2>90</m2>
<m3>95</m3>
</student>
<student>
<sno>801049</sno>
<sname>R.Vadivelan</sname>
<dob>22/07/1990</dob>
```

```

<address>Pondicherry</address>
<m1>90</m1>
<m2>95</m2>
<m3>80</m3>
</student>
<student>
<sno>801037</sno>
<sname>R.Satheesh</sname>
<dob>21/01/1991</dob>
<address>Kanyakumari</address>
<m1>80</m1>
<m2>90</m2>
<m3>95</m3>
</student>
</students>
//student.css
Student {
background-color:#aabbcc;width:100%;}
Sno { display:block; color:GREEN;
font.size:25pt; } Sname { display:block;
color:BLACK; font.size:20pt; }Dob {
display:block; color:BLUE; font.size:15pt; }
Address { display:block; color:BLUE;
font.size:15pt; }m1 { display:block;
color:BLUE; font.size:15pt; }
m2 { display:block; color:BLUE;
font.size:15pt; }m3 { display:block;
color:BLUE; font.size:15pt;}
//student.dtd
<?xml version="1.0"?>
<!ELEMENT students (student+)>
<!ELEMENT student (sno,sname,dob,address,m1,m2,m3)>
<!ELEMENT sno (#PCDATA)>
<!ELEMENT sname (#PCDATA)>
<!ELEMENT dob (#PCDATA)>
<!ELEMENT address (#PCDATA)>
<!ELEMENT m1 (#PCDATA)>
<!ELEMENT m2 (#PCDATA)>
<!ELEMENT m3 (#PCDATA)>

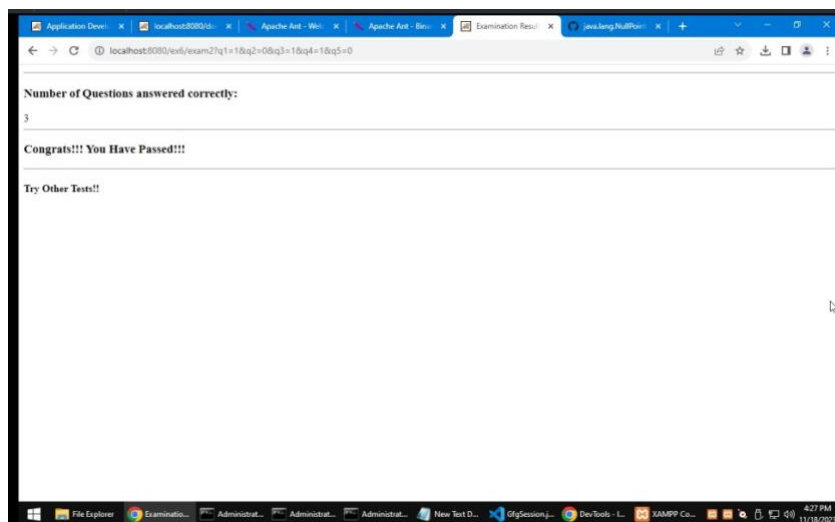
```

OUTPUT:



RESULT: Thus the creation of XSL document using Xml has been verified successfully.

EX 7 OUTPUT:



Gfg Session Information	
Session info	value
id	CF70BFEDA64813BFF68D8AD09E595290
Creation Time	Sat Nov 18 16:26:58 PST 2023
Time of Last Access	Sat Nov 18 16:26:58 PST 2023
User ID	GFG
Number of visits	1

Application Dev... localhost:8080/... Apache Ant - Wel... Apache Ant - Bin... Online Examination... java.lang.NullPoi...

localhost:8080/exa5/exam?name=rusbunnin&SUBMIT=Submit

Welcome Mr.rusbunnin

Terms and Conditions:

- The Paper consists a set of five questions.
- Every question consists of two options.
- All must be answered

Your Questions

1. Operating System is a

☐ Hardware

☐ Software

2. Developer of C Language is

☐ Dennis Ritchie

☐ James Thompson

3. Which of the following is a multitasking, multi user, multiprocessing OS.

☐ MS DOS

☐ Windows NT

4. Father of Computers is

Online Exa... Administrative... Administrative... Administrative... New Text D... GfgSession.j... Dev Tools - L... KAMPF Co... 4:27 PM 11/18/2023