



Parul University

FACULTY OF ENGINEERING AND TECHNOLOGY
BACHELOR OF TECHNOLOGY

Web Programming Laboratory
(203105344)

5TH SEMESTER
Computer Science & Engineering
DEPARTMENT

Laboratory Manual

CERTIFICATE

This is to certify that

Miss. **Hetvi Patel** with Enrolment.no. **200305105138** has successfully completed his/her laboratory experiments in the **Web Programming Laboratory (203105344)** from the department of **COMPUTER SCIENCE AND ENGINEERING** during the academic year **2022-2023**



Date of Submission:

Staff In charge:

Head of Department:

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Sr. No	Experiment Title	Page No		Date of Start	Date of Completion	Sign	Marks (Out of 10)																								
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1.	Create a web page containing resume with the help of basic HTML tags.																														
2.	Create a web page to demonstrate working of ordered, unordered and nested list																														
3.	Create the following table. <div><table><tr><th colspan="4">Work Contact Points</th></tr><tr><th>Name</th><th>Email</th><th>Phone</th><th>Floor/Block</th></tr><tr><td>Fred</td><td>fred@megacorp.com</td><td>123456</td><td rowspan="2">1/A</td></tr><tr><td>Jon</td><td>jon@megacorp.com</td><td>234567</td></tr><tr><td>Bill</td><td>bill@megacorp.com</td><td>345678</td><td rowspan="3">3/C</td></tr><tr><td>Jane</td><td>jane@megacorp.com</td><td>777444</td></tr><tr><td>Alison</td><td>alison@megacorp.com</td><td>888652</td></tr></table></div>	Work Contact Points				Name	Email	Phone	Floor/Block	Fred	fred@megacorp.com	123456	1/A	Jon	jon@megacorp.com	234567	Bill	bill@megacorp.com	345678	3/C	Jane	jane@megacorp.com	777444	Alison	alison@megacorp.com	888652					
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4.	Using Frames Divide the web page as follows. <div><div>This is a header.</div><div><div>Look in the box at the right for some information.</div><div>Here is some information.</div></div><div>This is a footer.</div></div>																														
5.	Create HTML5 web page which shows the use of canvas.																														
6.	Create HTML5 web page which shows the use of Audio & Video.																														
7.	Create a student registration form using the following tags <form>, <input>, <text-area>, <button>, <select>, <option>The registration form must consist of following information: First Name, Middle Name, Last Name, Gender (use radio button), Address, Phone No., email id, Hobbies (use checkbox), City, State, Country, College																														

	Name (use dropdown menu)						
8.	Create a HTML5 web page which shows the use of Geolocation.						
9.	Apply inline, internal and external style sheet to the student registration form.						
10.	Implement 2D transformation on Web page.						
11.	To create an html page to explain the use of various predefined functions in an array & Date object in JavaScript.						
12.	Write a Program to show use of alert, confirm and prompt box.						
13.	Write JavaScript to perform the following operations: a. to find highest from given three values b. to calculate factorial of n.						
14.	Write JavaScript to perform the following operations: a. to calculate sum of 1 to n b. to check whether given number is palindrome or not						
15.	Write a Java Script program to print current date & time						
16.	Create CD Catalogue Table in XML and display it using XSL Style Sheet						
17.	Creating the JavaScript file to handle our Json.						
18.	Write a PHP code to print your personal details.						
19.	Write a PHP code to shows the use of Decision Making and find out if given number is prime or not prime.						
20.	Write a PHP code for database connection with MySQL and also perform Insert and Delete						

PRACTICAL-1

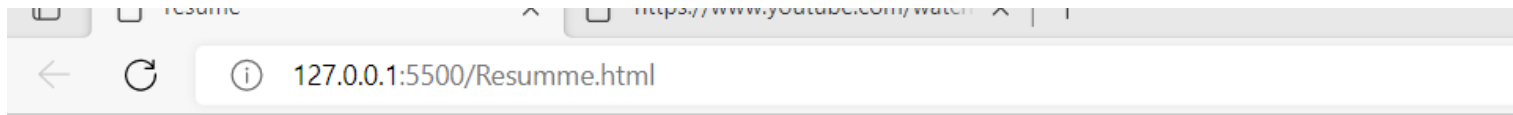
Aim: Create a web page containing resume with the help of basic HTML tags.

Code:

```
<html>
<head>
<title> resume</title>
</head>
<body>
<h1 style="color:red"><center>RESUME </h1>
<p><b>NAME :</b> HETVI PATEL </p>
<p><b>AGE:</b>19</p>
<p><b>BIRTH DATE :</b> 01/12/2003</p>
<p><b>GENDER:</b>:Male
<p><b>ADDRESS:</b>Rewa , Madhya pradesh</p>
<p><b>CONTACT NO:</b>9630844501</p>
<p><b>EMAIL ID :</b>xyz@gmail.com</p>
<p><b>HOBBY:</b>Travelling,Playing Cricket,</p>
<p><b>LANGUAGE KNOWN:</b>HTML,C,C++,JAVA,PYTHON</p>
<h3><b>ACADEMIC PROFILE:</b></h3>
<table border="2">
<tr>
<th><b>Education</b></th>
<th><b>Board/University</b></th>
</tr>
<tr>
<td><b>B.Tech</b></td>
<td>Parul University</td>
</tr>
<tr>
<th><b>HSC</b></th>
<td>CBSE</td>
</tr>
<tr>
<th><b>SSC</b></th>
<td>CBSE</td>
</tr>
</table>
</body>
</html>
```



Output:



NAME : HETVI PATEL

AGE:19

BIRTH DATE : 01/12/2003

GENDER::female

ADDRESS:Rewa , Madhya pradesh

CONTACT NO:9630844501

EMAIL ID :xyz@gmail.com

HOBBY:Travelling,Playing Cricket,

LANGUAGE KNOWN:HTML,C,C++,JAVA,PYTHON

ACADEMIC PROFILE:

Education	Board/University
B.Tech	Parul University
HSC	CBSE
SSC	CBSE

PRACTICAL-2

Aim: Create a web page to demonstrate working of ordered, unordered and nested list.

Code:

```
<!DOCTYPEhtml>
<html>
<head>

<title>Different Types Of Lists In HTML</title>
</head>
<body>

<b>This Is an Example of Ordered List</b>
<ol>

<li>Web Programing</li>
<li>Frenisha Mam</li>
<li>Student</li>
<li>HETVI PATEL</li>

</ol>

<b>This is an Example of Unordered List</b>
<ul>

<li>Web Programing</li>
<li>Frenisha Mam</li>
<li>Student</li>
<li>HETVI PATEL</li>

</ul>

<b>This is an Example of NestedList</b>
<ol>

<li>Web Programing</li>
<ul>

<li>Web Programing</li>
<li>Frenisha Mam</li>
```



```
<ul>
<li>Red</li>
<li>Yellow</li>
</ul></li>

<li>Student</li>
</ul>

<li>Frenisha Mam</li>
<ul>

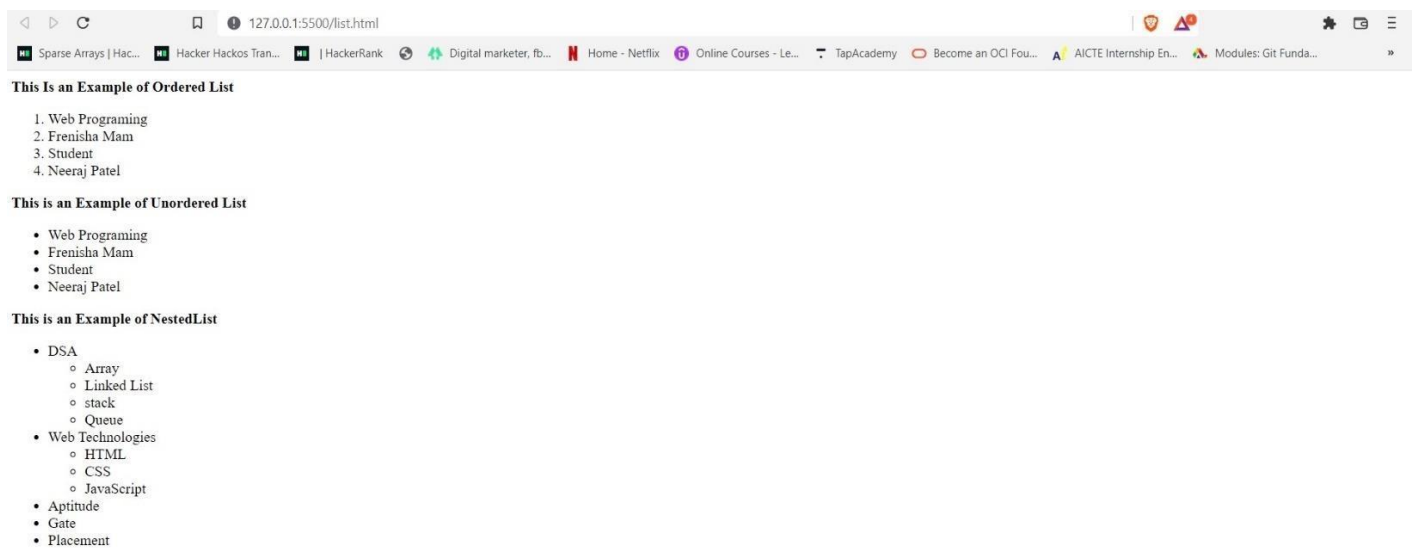
<li>Web Programing</li>
<li>Frenisha Mam</li>
<li>Student</li>
<li>HETVI PATEL</li>

</ul>

</ol>

</body>
</html>
```

Output:



PRACTICAL-3

Aim: Create the following table.

Work Contact Points			
Name	Email	Phone	Floor/Block
Fred	fred@megacorp.com	123456	1/A
Jon	jon@megacorp.com	234567	
Bill	bill@megacorp.com	345678	3/C
Jane	jane@megacorp.com	777444	
Alison	alison@megacorp.com	888652	

Code:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Document</title>
</head>
<body>
  <table border="2">
    <tr>
      <th colspan="4">Work Contact Points</th>
    </tr>
    <tr>
      <td>Name</td>
      <td>
        <center>Email</center>
      </td>
      <td>Phone</td>
      <td>Floor/Block</td>
    </tr>
    <tr>
      <td bgcolor="orange">Fred</td>
      <td bgcolor="lightBlue">fred@megacorp.com</td>
      <td bgcolor="orange">123456</td>
      <td rowspan="2" bgcolor="white">
        <center>1/A</center>
      </td>
    </tr>
    <tr>
      <td bgcolor="lightBlue">Jon</td>
      <td bgcolor="orange">jon@megacorp.com</td>
      <td bgcolor="lightBlue">234567</td>
    </tr>
    <tr>
      <td bgcolor="orange">Bill</td>
```

```

<td bgcolor="lightBlue">bill@megacorp.com</td>
<td bgcolor="orange">345678</td>
<td rowspan="3" bgcolor="white">
<center>3/C</center>
</td>
</tr>
<tr>
<td bgcolor="lightBlue">Jane</td>
<td bgcolor="orange">jane@megacorp.com</td>
<td bgcolor="lightBlue">777444</td>
</tr>
<tr>
<td bgcolor="orange">Alison</td>
<td bgcolor="lightBlue">alison@megacorp.com</td>
<td bgcolor="orange">888652</td>
</tr>
</table>
</body>
</html>

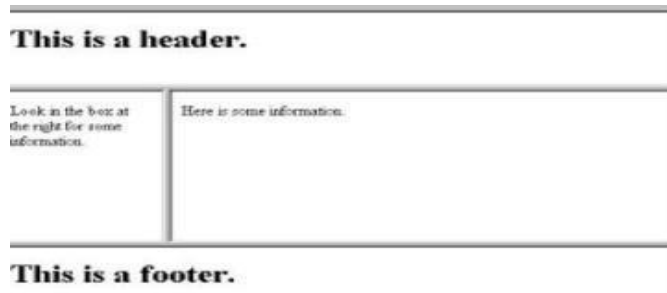
```

Output:

Work Contact Points			
Name	Email	Phone	Floor/Block
Fred	fred@megacorp.com	123456	1/A
Jon	jon@megacorp.com	234567	
Bill	bill@megacorp.com	345678	3/C
Jane	jane@megacorp.com	777444	
Alison	alison@megacorp.com	888652	

PRACTICAL-4

Aim: Using Frames Divide the web page as follows.



Code:

Frame1.html:

```
<html>
<head>
</head>
<body>
<h1>This is a Header</h1>
</body>
</html>
```

Frame2.html:

```
<html>
<head>
</head>
<body>
<p>Look in the box at the right for some information</p>
</body>
</html>
```

Frame3.html:

```
<html>
<head>
</head>
<body>
  <p>Here is some information</p>
</body>
</html>
<html>
<head>
</head>
```

```
<body>
<h1>This is a Footer</h1>
</body>
</html>
```

Frmae4.html:

```
<html>
<head>
</head>
<body>
<h1>This is a Footer</h1>
</body>
</html>
```

Practical4.html:

```
<!DOCTYPE html>
<html>
<head>
<title>Practical-4</title>
<frameset rows = "15%,*,15%">
<frame name = "frame1" src= "frame1.html">
<frameset cols = "10%,*">
<frame name = "frame2" src = "frame2.html">
<frame name = "frame3" src = "frame3.html">
</frameset>
<frame name = "frame4" src = "frame4.html">
</frameset>
</head>
</html>
```

Output:



This is a Header

Look in the
box at the
right for
some
information

Here is some information

This is a Footer

This is a Footer

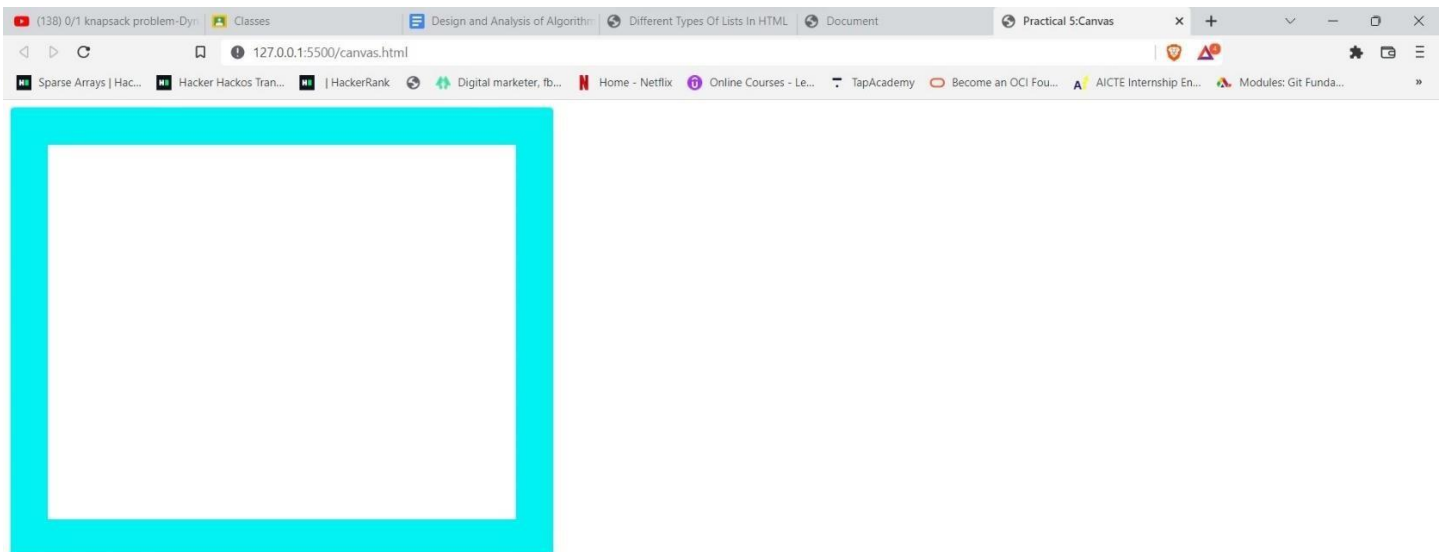
PRACTICAL-5

Aim: Create HTML5 web page which shows the use of canvas.

Code:

```
<html>
<head>
<title>Practical 5:Canvas</title>
</head>
<body>
<canvas id="my canvas" width="500" height="400" style="border:40px
solid #00f3f3; border-radius:4px ">
</canvas>
</body>
</html>
```

Output:



PRACTICAL-6

Aim: Create HTML5 web page which shows the use of Audio & Video.

Code:

```
<html>

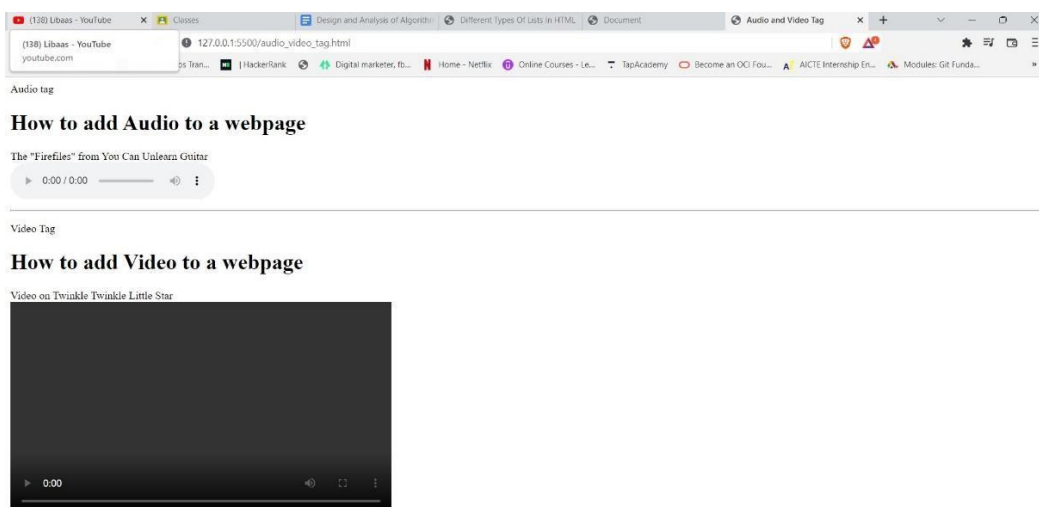
<head>
  <meta charset="utf-8">
  <title>Audio and Video Tag</title>
</head>

<body>
  <p>Audio tag</p>
  <h1>How to add Audio to a webpage</h1>
  <p>The "Firefiles" from You Can Unlearn Guitar<br>
    <audio src="audio.mp3" controls autoplay></audio>
  <hr>
  <p>Video Tag</p>
  <h1>How to add Video to a webpage</h1>
  <p>Video on Twinkle Twinkle Little Star<br>
    <video src="rhymes.mp4" width="560" height="315" controls></video>

</body>

</html>
```

Output:



PRACTICAL-7

Aim:

Create a student registration form using the following tags <form>, <input>, <text-area>, <button>, <select>, <option>The registration form must consist of following information:

First Name, Middle Name, Last Name, Gender (use radio button), Address, Phone No., email id, Hobbies (use checkbox), City, State, Country, College Name (use dropdown menu)

Code:

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta http-equiv="X-UA-Compatible" content="IE=edge">
<meta name="viewport" content="width=device-width, initial scale=1.0">
<title>Registration form</title>
</head>
<body>
<h1>Student Registration Form</h1>
<hr>
<p>Required Fields are followed by *</p>
<form>
<label for="fname">First Name: * </label>
<input type="text" id="fname" name="fname"><br><br>
<label for="lname">Middle Name: *</label>
<input type="text" id="lname" name="lname"><br><br>
<label for="lname">Last Name: *</label>
<input type="text" id="lname" name="lname"><br><br>
<label for="dob">Date of Birth: *</label>
<input type="date" id="dob" name="dob"><br><br>
<label> Gender :
</label><br>
<input type="radio" name="gender" id="male" required> Male
<br>
<input type="radio" name="gender" id="female" required> Female <br>
<input type="radio" name="gender" id="other" required> Other<br><br>
<label for="Address">Address: *</label><br>
<textarea></textarea><br><br>
<label>Phone No: *</label>
<input type="number" name="Contact" id="Contact"><br><br>

<label>Email id: *</label>
<input type="email" name="email" id="email"><br><br>

<label>State: *</label>
<select name="State" id="div">
<option value=" ">---Select a State---</option>
```




```
<option value="GJ">Gujarat</option>
<option value="MP">Madhhy Pradesh</option>
<option value="MH">Maharashtra</option>
<option value="RJ">Rajasthan</option>
</select><br><br>
<label>College Name: *</label>
<select name="State" id="div">
<option value="">--Select a College--</option>
<option value="PIT">PIT</option>
<option value="PIET">PIET</option>
<option value="PIAR">PIAR</option>
</select><br><br>
<input type="submit" value="Submit">
</form>
</body>
</html>
```

Output :

Student Registration Form

Required Fields are followed by *

First Name: *

Middle Name: *

Last Name: *

Date of Birth: *

Gender :

- ☒ Male
☐ Female
☐ Other

Address: *

Phone No: *

Email id: *

State: *

College Name: *

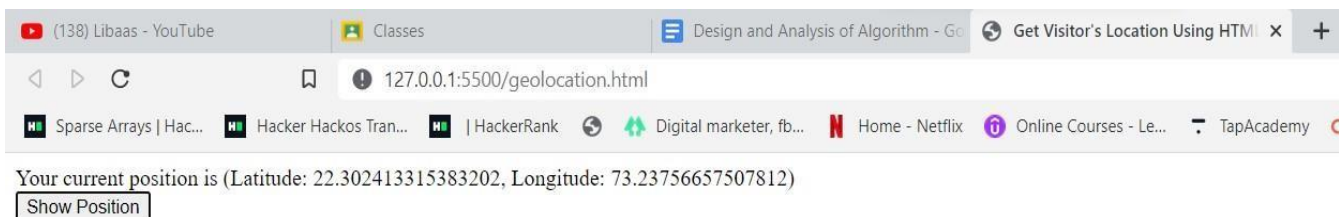
PRACTICAL-8

Aim: Create a HTML5 web page which shows the use of Geolocation.

Code:

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="utf-8">
<title>Get Visitor's Location Using HTML5 Geolocation</title>
<script>
    function showPosition() {
        if(navigator.geolocation) {
            navigator.geolocation.getCurrentPosition(function(position) {
                var positionInfo = "Your current position is (" + "Latitude: " +
position.coords.latitude + ", " + "Longitude: " + position.coords.longitude + ")";
                document.getElementById("result").innerHTML = positionInfo;
            });
        } else {
            alert("Sorry, your browser does not support HTML5 geolocation.");
        }
    }
</script>
</head>
<body>
    <div id="result">
        <!--Position information will be inserted here-->
    </div>
    <button type="button" onclick="showPosition();">Show Position</button>
</body>
</html>
```

Output:



PRACTICAL-9

Aim: Apply inline, internal and external style sheet to the student registration form.

Code:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial scale=1.0">
  <title>Student Registration Form</title>
  <style>
    body {
      background-color:white;
      margin-top: 90px;
    }
    table {
      border: 2px solid black;
    }
    #a1 {
      text-align: center;
    }
    th {
      background-color: rgba(136, 180, 216, 0.21);
    }
    td {
      background-color: rgba(173, 254, 153, 0.808);
    }
  </style>
</head>
<body>
  <center>
    <table border="2px">
      <tr>
        <th colspan="2" style="background-color:honeydew;">
        <h1 style="color:darkslategray; background-color:honeydewlightBlue;">Student Registration Form</h1>
      </th>
      </tr>
      <tr>
        <th>First Name:</th>
        <td>*<input type="text" placeholder="First name"
        required></td>
      </tr>
    </table>
```

```

<th>Last Name:</th>
<td>*<input type="text" placeholder="Last Name"
required></td>
</tr>
<tr>
<th>Enrollment Number:</th>
<td>*<input type="number" placeholder="Enrollment
No." required></td>
</tr>
<tr>
<th>Date of Birth:</th>
<td>*<input type="date" placeholder="DOB"
required></td>
</tr>
<tr>
<th>Gender:</th>
<td>*<input type="radio" name="Gender"
value="Male">Male</input>
<input type="radio" name="Gender"
value="Female">Female</input>
<input type="radio" name="Gender"
value="Others">Others</input>
</td>
</tr>
<tr>
<th>Address:</th>
<td>*<textarea placeholder="Address" id="add"
cols="20" rows="10"></textarea></td>
</tr>
<tr>
<th>Contact Number:</th>
<td>*<input type="number" placeholder="Contact No."
required></td>
</tr>
<tr>
<th>Email:</th>
<td>*<input type="email" placeholder="E-mail"
required></td>
</tr>
<tr>
<th>State:</th>
<td>*
<select name="State" id="div">
<option value=" " --Select a State--</option>
<option value="GJ">Gujarat</option>
<option value="MH">Maharashtra</option>
<option value="RJ">Rajasthan</option>
<option value="MP">Andhra Pradesh</option>

```

```

</select>
</td>
</tr>
<tr>
<td id="a1" colspan="2" style="background-color:
honeydew;">
<input type="submit"></input>
<input type="reset"></input>
</td>
</tr>
</table>
</center>
</body>
</html>

```

Output:

Student Registration Form	
First Name:	* <input type="text" value="First name"/>
Last Name:	* <input type="text" value="Last Name"/>
Enrollment Number:	* <input type="text" value="Enrollment No."/>
Date of Birth:	* <input type="text" value="dd - mm - yyyy"/> <input type="button" value="📅"/>
Gender:	* <input type="radio"/> Male <input type="radio"/> Female <input type="radio"/> Others
Address:	* <div style="border: 1px solid #ccc; height: 100px; padding: 5px;">Address</div>
Contact Number:	* <input type="text" value="Contact No."/>
Email:	* <input type="text" value="E-mail"/>
State:	* <input type="text" value="--Select a State--"/> ▼
<input type="button" value="Submit"/> <input type="button" value="Reset"/>	

PRACTICAL-10

Aim: Implement 2D transformation on Web page.

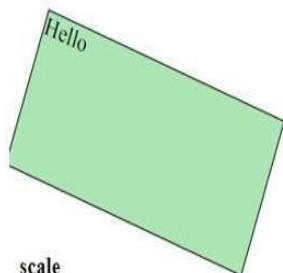
Code:

```
<html>
<head>
<title>Web programming Practical-10</title>
<style>
div#h1
{
width: 200px;
height: 100px;
background-color: pink;
border: 1px solid black;
-ms-transform: translate(50px,100px);
transform: translate(50px,100px);
}
div#h2
{
width: 200px;
height: 100px;
background-color: lightblue;
border: 1px solid black;
-ms-transform: rotate(20deg);
transform: rotate(20deg);
}
div#h3{ width: 200px; height: 100px;
background-color: pink; border: 1px solid black;
-ms-transform: scale(0.5,0.5); transform: scale(0.5,0.5);
}
div#h4{ width: 200px; height: 100px;
background-color: lightblue; border: 1px solid black;
-ms-transform: skew(20deg,10deg); transform: skew(20deg,10deg);
}
div#h5{ width: 200px; height: 100px;
background-color: pink; border: 1px solid black;
-ms-transform: matrix(1, -0.2, 0, 1, 0, 0);
transform: matrix(1, -0.2, 0, 1, 0, 0);
}
p
{
font-weight: bold;
}
```

```
div#h6{margin: 150px; width: 200px; height: 100px;
background-color: lightblue; border: 1px solid black;
-ms-transform: scaleX(2); transform: scaleX(2);
}
div#h7{ margin: 150px; width: 200px; height: 100px;
background-color: pink; border: 1px solid black;
-ms-transform: scaleY(0.5); transform: scaleY(0.5);
}
div#h8{ width: 200px; height: 100px;
background-color: lightblue; border: 1px solid black;
-ms-transform: skewX(20deg); transform: skewX(20deg);
}
div#h9{ width: 200px; height: 100px;
background-color: pink; border: 1px solid black;
-ms-transform: skewY(-20deg); transform: skewY(-20deg);
}
</style>
</head>
<body>
<p>rotate</p>
<br>
<br>
<div id="h2">Hello</div>
<p>scale</p>
<div id="h3">Web Programming</div>
<p>skew</p>
<div id="h4">Compiler Design</div>
<p>matrix</p>
<div id="h5">Cryptography</div>
<br>
<br><p>translate</p>
<div id="h1">Programming</div>
<br>
<br>
<br>
<br>
<p>scaleX</p>
<div id="h6">Hello</div>
<p>scaleY</p>
<div id="h7">Web programming</div>
<p>skewX</p>
<div id="h8">Compiler Design</div>
<p>skewY</p>
<div id="h9">Cryptography</div>
</body>
</html>
```

Output:

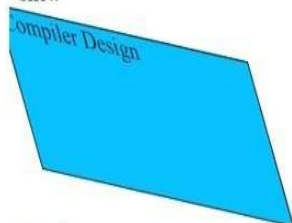
rotate



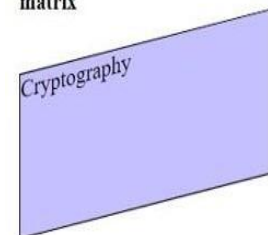
scale



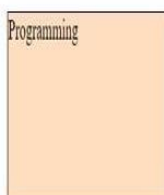
skew



matrix



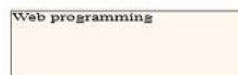
translate



scaleX



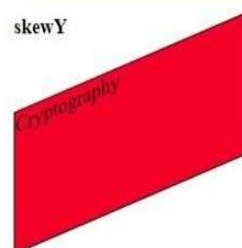
scaleY



skewX



skewY





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