**Experiment No.: 1 28/10/2022**

**Aim**

To create a simple html file to demonstrate the use of different tags

**CO1**

Explore markup language features and create interactive web page using them

**Procedure**

<html>

<head>

</head>

<body bgcolor="yellow">

<h1><center><i><b>This is my webpage</b></i></center></h1>

<marquee><h2>www.stephinjohnson.ca</h2></marquee>

<h1 style=color:red;><u><i>Profile<i></u></h1><br>

<h2 style=color:red;><u><i>Profile<i></u></h2><br>

<h3 style=color:red;><u><i>Profile<i></u></h3><br>

<h4 style=color:red;><u><i>Profile<i></u></h4><br>

<h5 style=color:red;><u><i>Profile<i></u></h5>

<hr>

<p>Hi Im stephin johnson student at Amal Jyothi<br>College of Engineering Pursuing Masters Degree in <br> Computer Application Im completed my Bachelors degree in <br> computer science from <u>Kannur University</u> from Mary Matha Arts and Science College Mananthavady</p>

<br>

<br>

<br>

<hr>

<h3><u>Photos</u></h3>

<marquee>Amal Jyothi College of Engineering</marquee>

<hr>

<img src="https://i.ytimg.com/vi/lI0UzD0jZdY/maxresdefault.jpg" width="200" height="200">

<hr>

<center><img src="https://encrypted-tbn0.gstatic.com/images?q=tbn:ANd9GcSFaWON4GIcPkC8vWRzYgUSRveejoBMoFhVrg&usqp=CAU"></center>

<p>Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.</p>

<a href="https://www.w3schools.com/">https://www.w3schools.com/</a>

<p>The passage experienced a surge in popularity during the 1960s when Letraset used it on their dry-transfer sheets, and again during the 90s as desktop publishers bundled the text with their software. Today it's seen all around the web; on templates, websites, and stock designs. Use our generator to get your own, or read on for the authoritative history of lorem ipsum.</p>

<ul>

<li>tata</li>

<li>Amg</li>

<li>mercedez</li>

</ul>

<ol>

<li>one</li>

<li>Two</li>

<li>Three</li>

<li>Four</li>

</ol>

<table border = "1">

<tr>

<th>CARS</th>

<th>BIKES</th>

</tr>

<tr>

<td>Mercedez</td>

<td>Triumph</td>

</tr>

<tr>

<td>Volvo</td>

<td>Ducati</td>

</tr>

</table>

</body>

</html>

**Output Screenshot**

****

****

**Result**

The program was executed and the result was successfully obtained. Thus CO1was obtained.

**Experiment No.: 2 28/10/2022**

**Aim**

Create a HTML file to link to different HTML page which contains images, tables, and also link within a page.

**CO1**

Explore markup language features and create interactive web page using them

**Procedure**

<html>

<head>

<style>

</style>

<body bgcolor="#fafafa">

<center><h1>SUN</h1></center>

<center><img src="https://encrypted-tbn0.gstatic.com/images?q=tbn:ANd9GcRTstC96fYba8Iv2dwWzwfMraEqN0ISUGaI4A&usqp=CAU"></center>

<p><b>The Sun is the star at the center of the Solar System. It is a nearly perfect ball of hot plasma,[18][19] heated to incandescence by nuclear fusion reactions in its core. The Sun radiates this energy mainly as light, ultraviolet, and infrared radiation, and is the most important source of energy for life on Earth.

The Sun's radius is about 695,000 kilometers (432,000 miles), or 109 times that of Earth. Its mass is about 330,000 times that of Earth, comprising about 99.86% of the total mass of the Solar System.[20] Roughly three-quarters of the Sun's mass consists of hydrogen (~73%); the rest is mostly helium (~25%), with much smaller quantities of heavier elements, including oxygen, carbon, neon, and iron.[21]

The enormous effect of the Sun on Earth has been recognized since prehistoric times. The Sun was thought of by some cultures as a deity. The synodic rotation of Earth and its orbit around the Sun are the basis of some solar calendars. The predominant calendar in use today is the Gregorian calendar which is based upon the standard 16th-century interpretation of the Sun's observed movement as actual movement.</b></p>

<p><i>The Sun is the star at the center of the Solar System. It is a nearly perfect ball of hot plasma,[18][19] heated to incandescence by nuclear fusion reactions in its core. The Sun radiates this energy mainly as light, ultraviolet, and infrared radiation, and is the most important source of energy for life on Earth.

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The Sun is a G-type main-sequence star (G2V). As such, it is informally, and not completely accurately, referred to as a yellow dwarf (its light is actually white). It formed approximately 4.6 billion[a][14][22] years ago from the gravitational collapse of matter within a region of a large molecular cloud. Most of this matter gathered in the center, whereas the rest flattened into an orbiting disk that became the Solar System. The central mass became so hot and dense that it eventually initiated nuclear fusion in its core. It is thought that almost all stars form by this process.

.</i></p>

<hr>

<center><table border = "3">

<tr>

<th>CARS</th>

<th>BIKES</th>

<th>CYCLE</th>

<th>TRUCK</th>

<th>SCOOTER</th>

</tr>

<tr>

<td>Mercedez</td>

<td>Triumph</td>

<td>Hero</td>

<td>Layland</td>

<td>Active</td>

</tr>

<tr>

<td>Volvo</td>

<td>Ducati</td>

<td>Hercules</td>

<td>Man</td>

<td>Alpha</td>

</tr>

</table></center>

<center><table border = "3">

<tr>

<th>CARS</th>

<th>BIKES</th>

</tr>

<tr>

<td>

<img src="data:image/jpeg;base64,/9j/4AAQSkZJRgABAQAAAQABAAD/></td> <td><img src="https://imgd.aeplcdn.com/476x268/bw/models/triumph-tiger-900-gt20200619130902.jpg" width="200" height="200">

</td>

</tr>

</table></center>

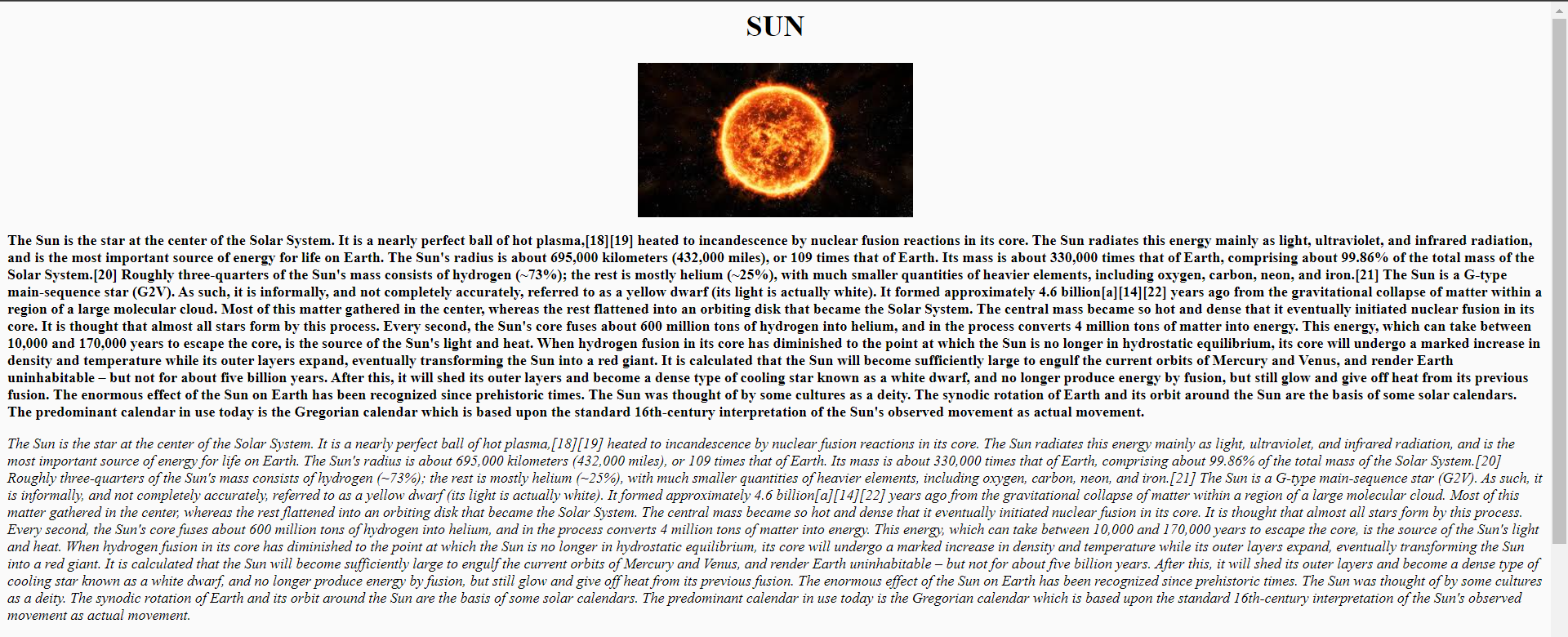
<a href="personalweb.html"><i><u>Click here to go My personal website</u></i></a>

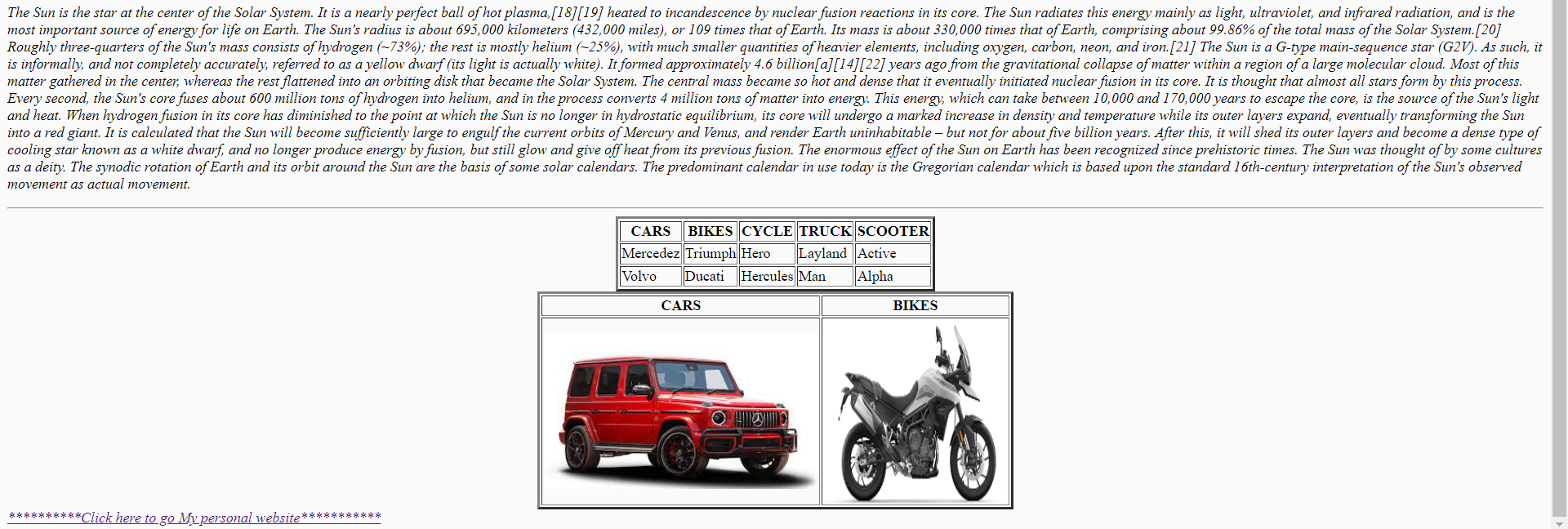
</body>

</head>

</html>

**Output Screenshot**





**Result**

The program was executed and the result was successfully obtained. Thus CO1was obtained.

**Experiment No.: 3 28/10/2022**

**Aim**

Create a HTML page with different types of frames such as floating frame, navigation frame &amp; mixed frame.

**CO1**

Explore markup language features and create interactive web page using them

**Procedure**

**Mixed**

<html>

<frameset rows="30%,70%">

<frame src="pp.html" />

<frameset cols="30%,70%">

<frame src="qq.html" />

<frame src="sam2.html">

</frameset>

</frameset>

</html>

**Floating**

<html>

<head>

<title></title>

</head>

<body>

<h1>Floating Frame</h1>

<iframe name='floating' src='pp.html' width="300" height="300">

<iframe name='floating' src='qq.html' width="500" height="500">

</iframe>

</iframe>

</body>

</html>

**Nav**

<html>

<head>

<title>resume</title>

<frameset cols="20%,80%">

<frame name="top" src="one.html">

<frame name="bottom" src="frame.html">

</frameset>

</head>

<body>

</body>

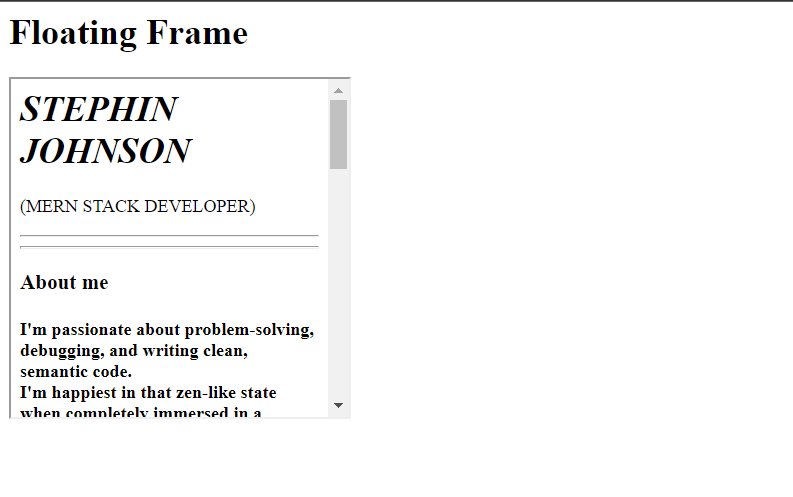
</html>

**Output Screenshot**

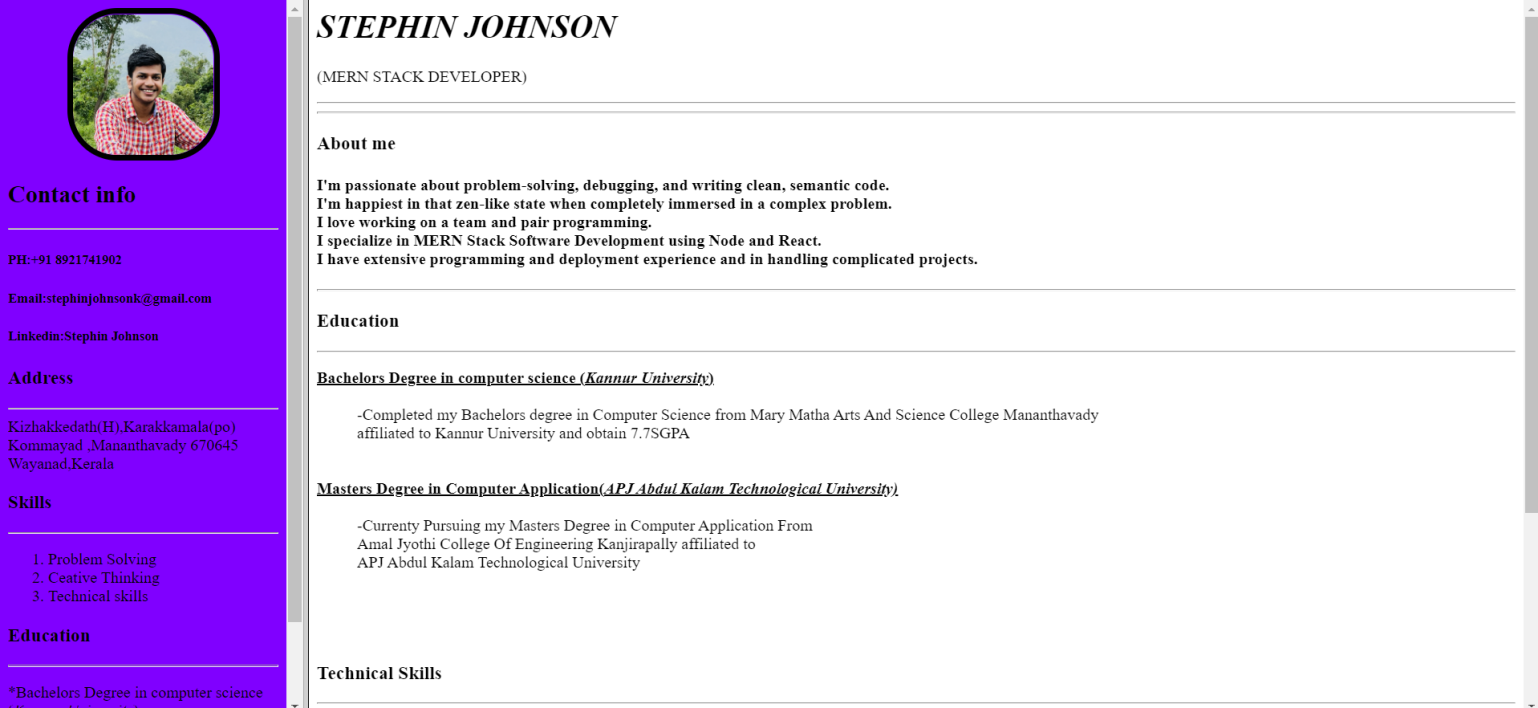
**Mixed Frame**



**Floating Frame**

****

**Navigation Frame**



**Result**

The program was executed and the result was successfully obtained. Thus CO1was obtained.

**Experiment No.: 4 28/10/2022**

**Aim**

Analyze CSS by applying the different styles using inline, external &amp; internal style sheets in a HTML file.

**CO1**

Explore markup language features and create interactive web page using them

**Procedure**

<html>

<head>

<title>Responsive Navigation Menu</title>

<link rel="stylesheet" href="in4.css">

<style>

body{

background-color: rebeccapurple;

}

</style>

</head>

<body>

<nav>

<div class="logo">

Brand

</div>

<input type="checkbox" id="click">

<label for="click" class="menu-btn">

<i class="fas fa-bars"></i>

</label>

<ul>

<li><a class="active" href="#">Home</a></li>

<li><a href="#">About</a></li>

<li><a href="#">Services</a></li>

<li><a href="#">Gallery</a></li>

<li><a href="#">Feedback</a></li>

</ul>

</nav>

<div class="content">

<center> <h1><b><i>Hello Im Stephin </i></b></h1></center>

</div>

<div>

</div>

</div>

<center><h1 style="color: green;">MY Name Is STEPHIN </h1></center>

<hr>

<center><h1 style="color: yellow;">MY Name Is STEPHIN </h1></center>

<center><h1 style="color: red;">MY Name Is STEPHIN </h1></center>

</body>

</html>

Css

\*{

margin: 0;

padding: 0;

box-sizing: border-box;

font-family: 'Poppins', sans-serif;

}

nav{

display: flex;

height: 80px;

width: 100%;

background: #1b1b1b;

align-items: center;

padding: 0 50px 0 100px;

}

}

nav ul li a{

color: #f2f2f2;

text-decoration: none;

font-size: 18px;

font-weight: 500;

padding: 8px 15px;

border-radius: 5px;

letter-spacing: 1px;

}

**Output Screenshot**



**Result**

The program was executed and the result was successfully obtained. Thus CO1was obtained.

**Experiment No.: 5 28/10/2022**

**Aim**

Demonstrate a registration from using HTML.

**CO1**

Explore markup language features and create interactive web page using them

**Procedure**

<html>

<head>

<title>ajce.ac.in</title>

<style>

body{

background-color: rgb(122, 181, 77);

}

</style>

</head>

<body>

<CENTER><h1>AMAL JYOTHI COLLEGE OF ENGINEERING</h1></CENTER>

<marquee>\***\***\*\***\***\*\***\***\*\***\*\*Admission to Master of Computer Application is Now open \***\*\***\***\*\***\***\*\***\***\*\*</marquee>

<br>

<br>

<br>

<br>

<Center><h3>STUDENT REGISTRATION FORM</h3></Center>

<table align="center" cellpadding = "7">

<tr>

<td>FIRST NAME</td>

<td><input type="text"placeholder="First name" name="First\_Name" length="30"/>

</td>

</tr>

<tr>

<td>LAST NAME</td>

<td><input type="text" placeholder="Last name" name="Last\_Name" length="30"/>

</td>

</tr>

<tr>

<td>Enter your email address</td>

<td><input type="email"placeholder="Email" name="email" length="30"/>

</td>

</tr>

<tr>

<td>Date of Birth</td>

<td><input type="date" name="date" length="30"/>

</td>

</tr>

<tr>

<td>Mobile Number</td>

<td><input type="number" placeholder="Mobile Number" name="number" length="30"/>

</td>

</tr>

<tr>

<td>Gender</td><br>

<td>

<input type="radio" id="html" name="Gender" value="gen">MALE<br>

<input type="radio" id="html" name="Gender" value="gen">FEMALE<br>

<input type="radio" id="html" name="Gender" value="gen">OTHERS<br>

</td>

</tr>

<tr>

<td>ADDRESS <br /><br /><br /></td>

<td><textarea name="Address" rows="4" cols="30"></textarea></td>

</tr>

<tr>

<td>City</td>

<td><input type="text" placeholder="Enter your city" name="number" length="30"/>

</td>

</tr>

<tr>

<td>Pin code</td>

<td><input type="number" name="number" length="30"/>

</td>

</tr>

<tr>

<td>HObbies</td>

<td>Rading<input type="checkbox" id="Reading" name="checkbox" value="Reading" length="30"/>

Writing <input type="checkbox" id="Reading" name="checkbox" value="Reading" length="30"/>

</td>

</tr>

<tr>

<td>Qualifications</td>

<td><select name="cars" id="cars">

<option value="+2">+2</option>

<option value="Graduation">Graduation</option>

<option value="Btech">Btech</option>

</select>

</td>

</tr>

<tr>

<td>

<input type="submit">

</td>

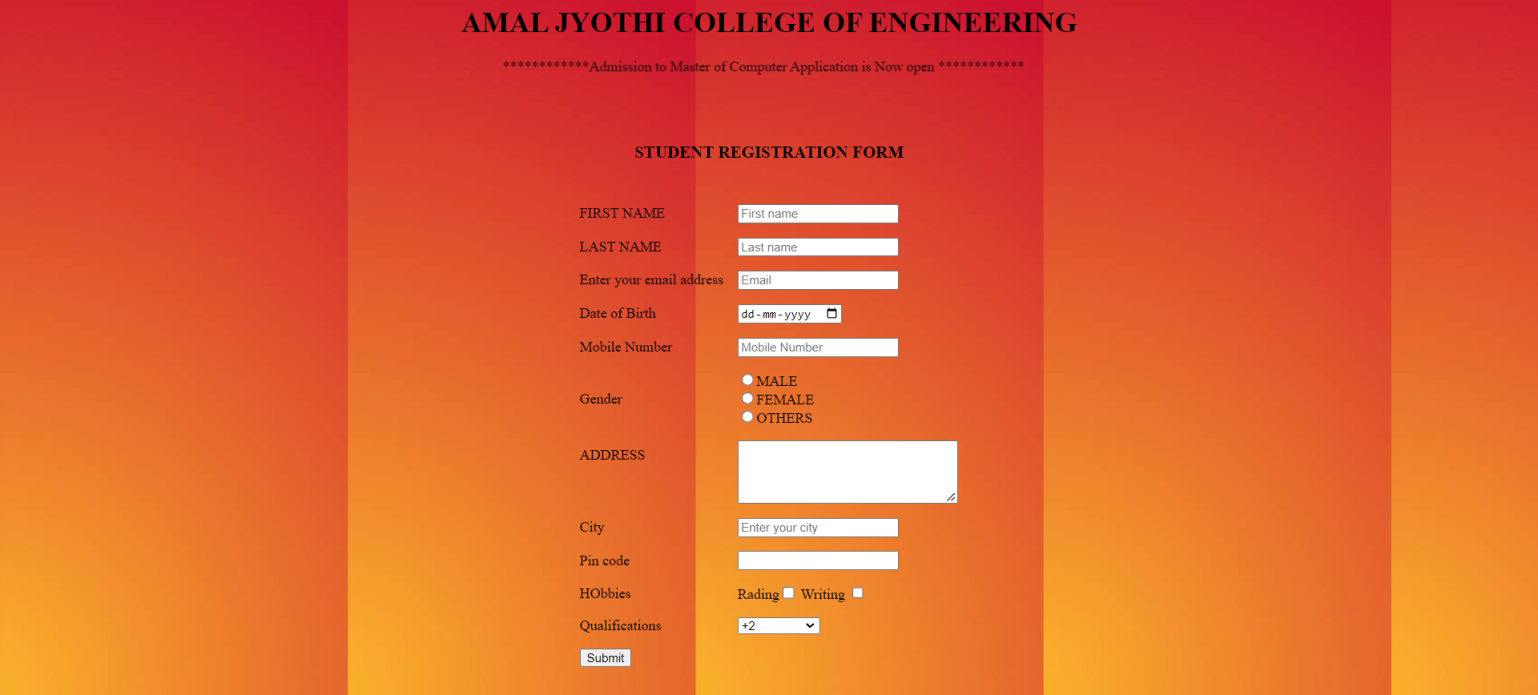
</tr>

</table>

</body>

</html>

**Output Screenshot**



**Result**

The program was executed and the result was successfully obtained. Thus CO1was obtained.

**Experiment No.: 6 21/11/2022**

**Aim**

Create a HTML page to explain the use of various predefined functions in a string and math object in JavaScript

**CO2**

**Procedure**

<html>

<head>

<body>

<h1 id="mm"></h1>

<hr>

<button id="b8">Click here to know Euler Number</button><br>

<hr>

<button id="b3">Just Click here to know the exact value of pie</button><br>

<script>

function p(){

var pie=Math.PI

document.getElementById("mm").innerHTML=""+pie

}

function ee(){

var eu=Math.E

document.getElementById("mm").innerHTML=""+eu

}

var r=10

var ar=Math.PI\*Math.pow(r,2,"<br>")

document.write("using math function")

document.write("area is"+ar+"<br>")

document.getElementById("b3").addEventListener("click",p)

document.getElementById("b8").addEventListener("click",ee)

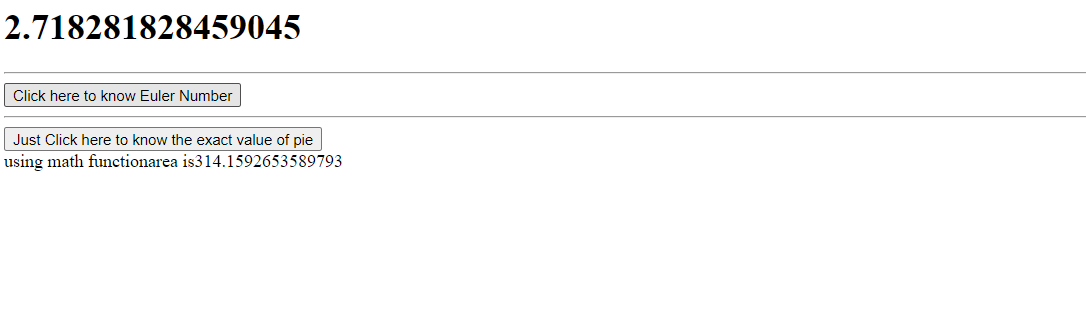
</script>

</body>

</head>

</html>

**Output Screenshot**



**Result**

The program was executed and the result was successfully obtained. Thus CO2was obtained.

**Experiment No.: 7 21/11/2022**

**Aim**

Generate the calender using JavaScript code by getting the year from the user

**CO2**

**Procedure**

**Experiment No.: 8 21/11/2022**

**Aim**

Create a simple calculator using JavaScript

**CO2**

**Procedure**

<html>

<head>

<body>

<button id="b1">Click here</button><br>

<button id="b6">Calculate Sum</button><br>

<button id="b7">subtraction</button><br>

<button id="b8">divisiin</button><br>

<button id="b9">Clear Screen</button><br>

Enter 1st num:<input type="textbox" id="t1"><br>

Enter 2nd num:<input type="textbox" id="t2"><br>

<script>

function ho(){

document.getElementById("h1").innerHTML="Stephin's JS Calculator"

}

function add(){

var num1=parseInt(document.getElementById("t1").value)

var num2=parseInt(document.getElementById("t2").value)

var summation=num1+num2

document.getElementById("h1").innerHTML="sum is"+summation

}

function subtract(){

var num1=parseInt(document.getElementById("t1").value)

var num2=parseInt(document.getElementById("t2").value)

var sub=num1-num2

document.getElementById("h1").innerHTML="difference is"+sub

}

function division(){

var num1=parseInt(document.getElementById("t1").value)

var num2=parseInt(document.getElementById("t2").value)

var div=num1/num2

document.getElementById("h1").innerHTML="division is"+div

}

function clear(){

document.getElementById("h1").innerHTML=""

}

document.getElementById("b1").addEventListener("click",ho)

document.getElementById("b6").addEventListener("click",add)

document.getElementById("b7").addEventListener("click",subtract)

document.getElementById("b8").addEventListener("click",division)

document.getElementById("b9").addEventListener("click",clear)

</script>

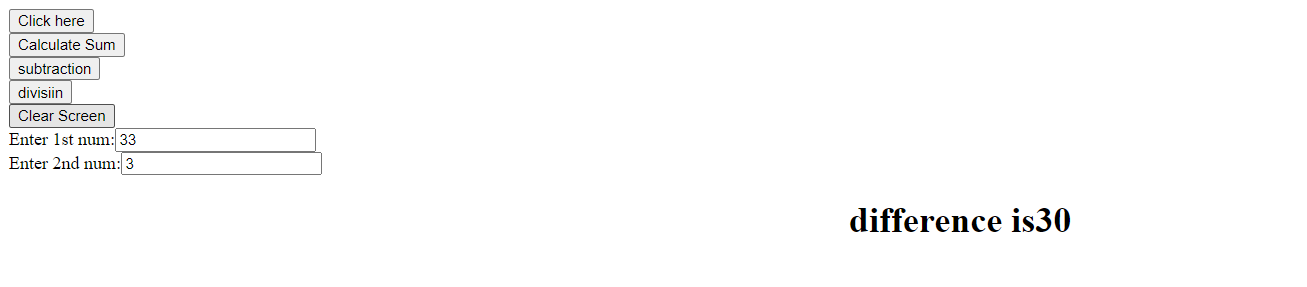
<center><h1 id="h1"></h1></center>

</body>

</head>

</html>

**Output Screenshot**

****

**Result**

The program was executed and the result was successfully obtained. Thus CO2was obtained.

**Experiment No.: 9 21/11/2022**

**Aim**

Evaluating JavaScript event handling for every click of a button to change the background colour of a HTML page

**CO2**

**Procedure**

<html>

<head>

<body>

<button id="b4">Change BG</button>

<button id="b5">Change image</button>

<script>

function changebg(){

document.body.style.backgroundColor="#fcba03"

}

function changeimg()

{

document.body.style.backgroundImage="URL('https://www.ajce.in/home/images/Gallery-widget\_ajce.jpg')"

}

document.getElementById("b4").addEventListener("click",changebg)

document.getElementById("b5").addEventListener("click",changeimg)

</script>

</body>

</head>

</html>

**Output Screenshot**

****

**Result**

The program was executed and the result was successfully obtained. Thus CO2was obtained.

**Experiment No.: 10 21/11/2022**

**Aim**

Create a HTML page to display a new image and text when the mouse comes over the existing content in the page using JavaScript event handling.

**CO2**

**Procedure**

<html>

<head>

<body>

<img id="img1" onmouseover="setNew()"

onmouseout="setOld()" src="first.jpeg" width="500"/>

<script>

function setNew()

{

document.getElementById("img1").src="sec.jpg";

}

function setOld()

{

document.getElementById("img1").src="first.jpeg";

}

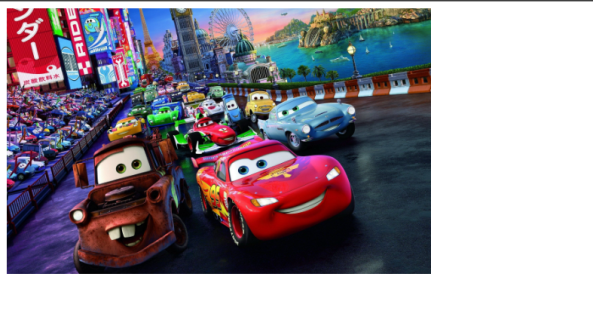
</script>

</body>

</head>

</html>

**Output Screenshot**

** **

**Result**

The program was executed and the result was successfully obtained. Thus CO2was obtained.