**PRACTICAL 1**

**Name:** UTKARSH SAH

**Course:** B.TECH

**Branch:** CSE

**Semester:** 6

**Roll No.:** 2096001

**Student ID:** 20011253

**Date:** 08/02/2023

**Objective:**

Create a web page using HTML to implement <b>, <i>, <u>, <em>, <strong>, <ins>, <del>, <strike> and <marquee> tag.

**HTML Code:**

<!DOCTYPE html>

<HTML>

<head>

<title>HTML Tags</title>

</head>

<body>

<h1><font color="Red" face="Garamond">Tags of HTML</font></h1></div>

<hr>

<marquee>This is marquee tag</marquee>

<br>

<b>This is bold tag</b>

<br>

<i>This is italics tag</i>

<br>

<u>This is underline tag</u>

<br>

<em>This is emphasize tag</em>

<br>

<strong>This is strong tag</strong>

<br>

<ins>This is insert tag</ins>

<br>

<del>This is delete tag</del>

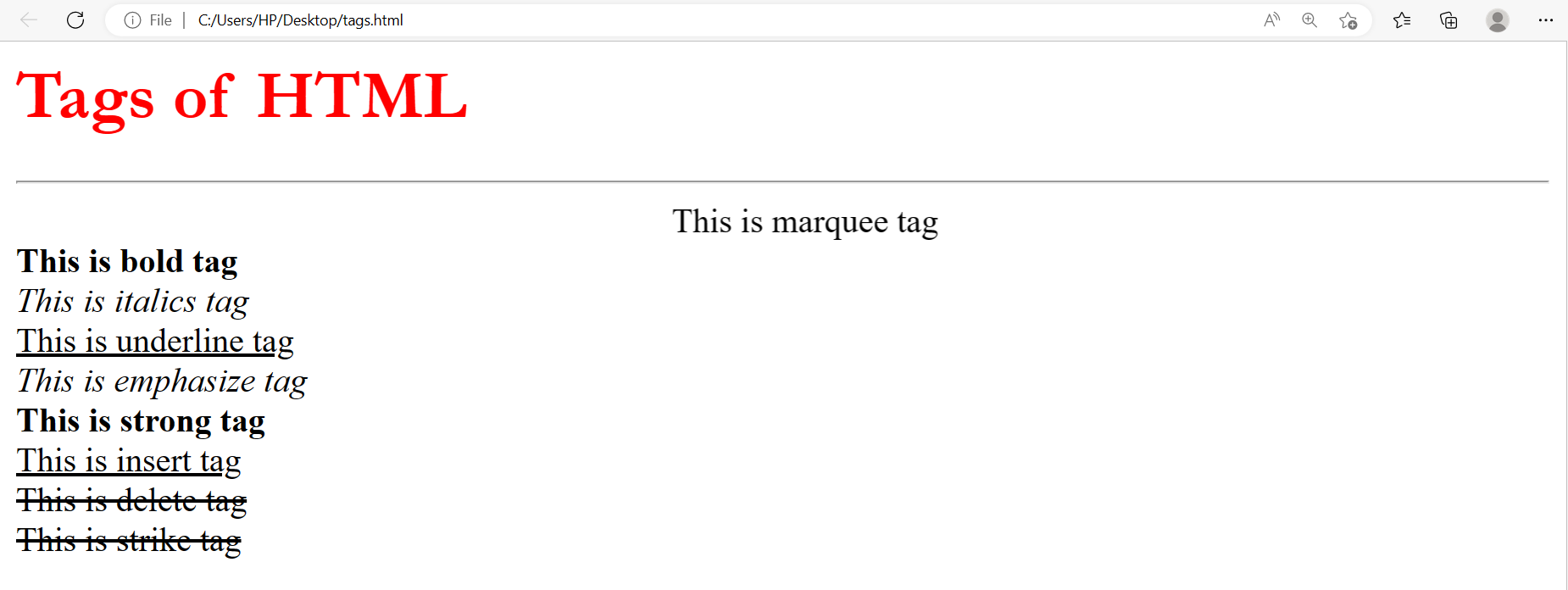
<br>

<strike>This is strike tag</strike>

<body>

</HTML>

**Result:**



**PRACTICAL 2**

**Name:** UTKARSH SAH

**Course:** B.TECH

**Branch:** CSE

**Semester:** 6

**Roll No.:** 2096001

**Student ID:** 20011253

**Date:** 08/02/2023

**Objective:**

Create a web page using HTML to implement table.

**HTML Code:**

<!DOCTYPE html>

<HTML>

<head>

<title>Physical Quantities</title>

</head>

<body>

<div><h1><font color="Red" face="Garamond">Table of Physical Quantities</font></h1></div>

<hr>

<div><table border="3" bordercolor="Red" align="center" bgcolor="yellow" cellspacing="3" cellpadding="3">

<tr align="center">

<th>Dimension</th>

<th>Base Unit</th>

<th>Symbol</th>

</tr>

<tr>

<td>length</td>

<td>meter</td>

<td>m</td>

</tr>

<tr>

<td>mass</td>

<td>kilogram</td>

<td>kg</td>

</tr>

<tr>

<td>time</td>

<td>second</td>

<td>s</td>

</tr>

<tr>

<td>electric current</td>

<td>ampere</td>

<td>A</td>

</tr>

<tr>

<td>temperature</td>

<td>kelvin</td>

<td>K</td>

</tr>

<tr>

<td>amount of substance</td>

<td>mole</td>

<td>mol</td>

</tr>

<tr>

<td>luminous intensity</td>

<td>candela</td>

<td>cd</td>

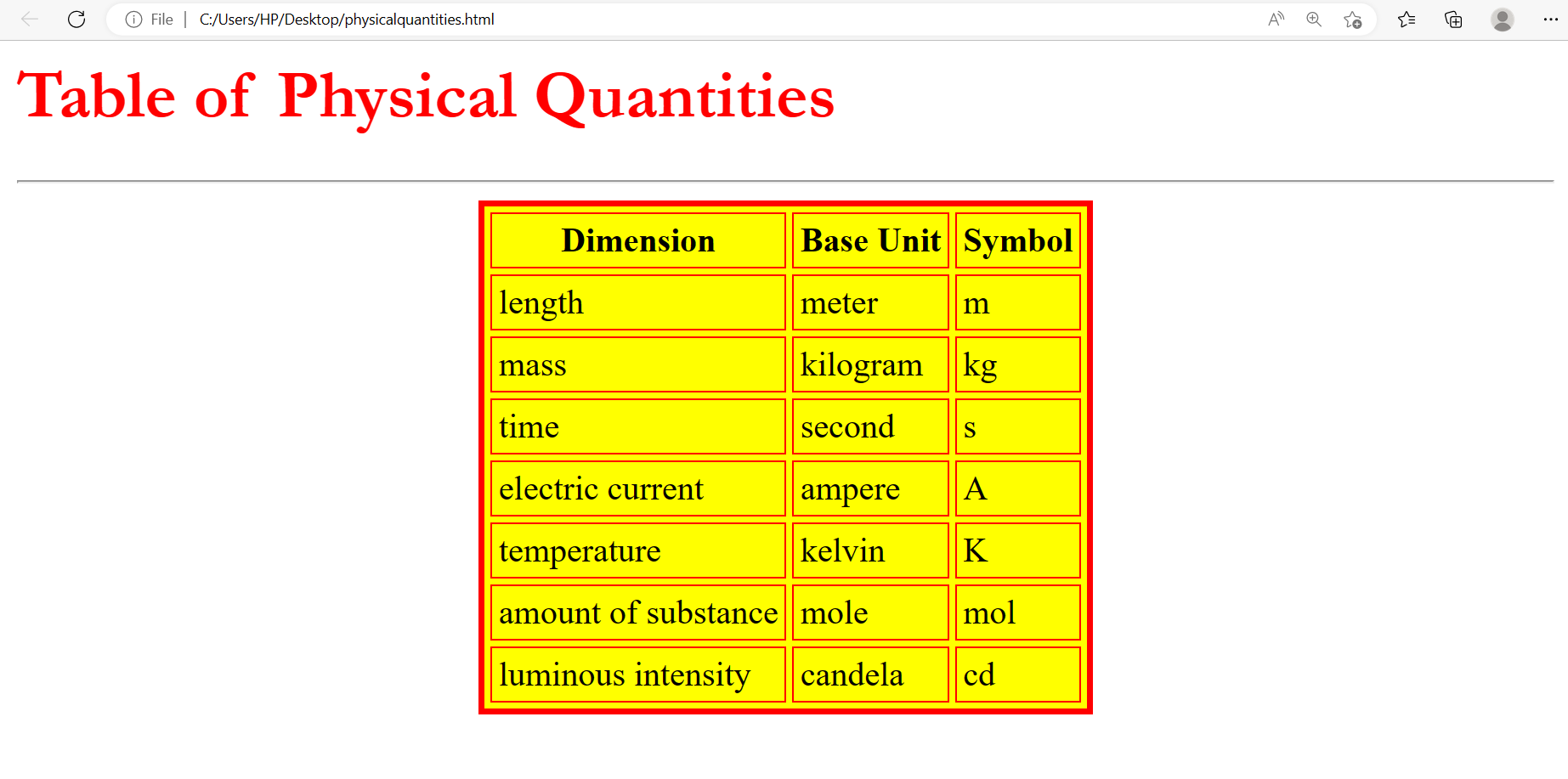
</tr>

</table></div>

</body>

</HTML>

**Result:**



**PRACTICAL 3**

**Name:** UTKARSH SAH

**Course:** B.TECH

**Branch:** CSE

**Semester:** 6

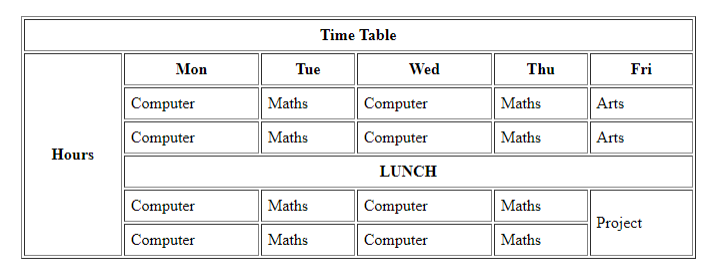
**Roll No.:** 2096001

**Student ID:** 20011253

**Date:** 15/02/2023

**Objective:**

Write HTML Code to design the given table for timetable:



**HTML Code:**

<html>

<body>

<table border="1" cellspacing="2" cellpadding="15" width="50%">

<tr>

<th colspan="6">Time Table</th>

</tr>

<tr>

<th rowspan="6">Hours</th>

<th>Mon</th>

<th>Tue</th>

<th>Wed</th>

<th>Thu</th>

<th>Fri</th>

</tr>

<tr>

<td>Computer</td>

<td>Maths</td>

<td>Computer</td>

<td>Maths</td>

<td>Arts</td>

</tr>

<tr>

<td>Computer</td>

<td>Maths</td>

<td>Computer</td>

<td>Maths</td>

<td>Arts</td>

</tr>

<tr>

<th colspan="5">Lunch</th>

</tr>

<tr>

<td>Computer</td>

<td>Maths</td>

<td>Computer</td>

<td>Maths</td>

<td rowspan="2">Project</td>

</tr>

<tr>

<td>Computer</td>

<td>Maths</td>

<td>Computer</td>

<td>Maths</td>

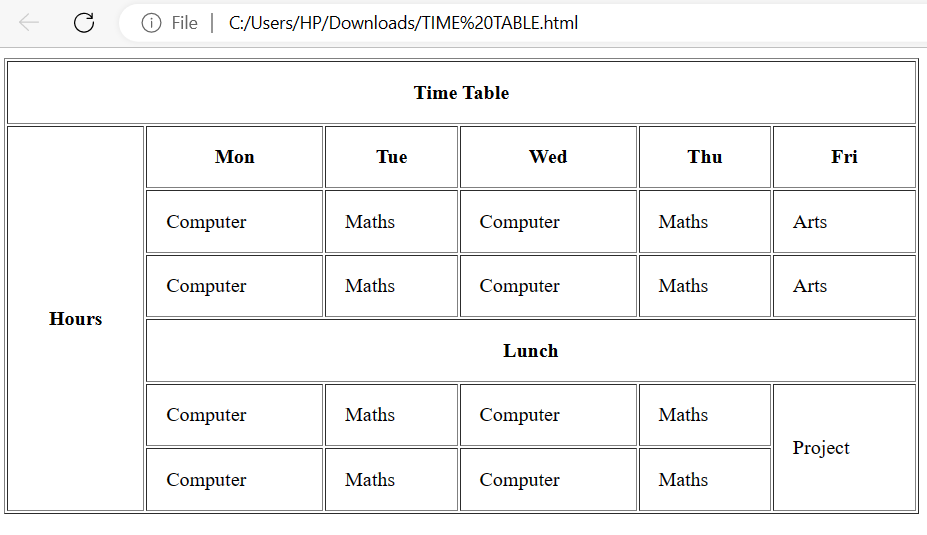
</tr>

</table>

</body>

</html>

**Result:**

****

**PRACTICAL 4**

**Name:** UTKARSH SAH

**Course:** B.TECH

**Branch:** CSE

**Semester:** 6

**Roll No.:** 2096001

**Student ID:** 20011253

**Date:** 22/02/2023

**Objective:**

Create a web page using HTML to implement list.

**HTML Code:**

<!DOCTYPE html>

<html>

<head>

<title>Subject List</title>

</head>

<body>

<h1>List of Subjects</h1>

<ul>

<li>Data Structures and Algorithm</li>

<li>Design and Analysis of Algorithm</li>

<li>Object Oriented Programming</li>

<li>Operating System</li>

<li>Full Stack Web Development</li>

<li>Machine Learning</li>

<li>Software Engineering</li>

<li>Database Management System</li>

<li>Computer Networks</li>

</ul>

</body>

</html>

**Result:**

**Graphical user interface, text, application

Description automatically generated**

**PRACTICAL 5**

**Name:** UTKARSH SAH

**Course:** B.TECH

**Branch:** CSE

**Semester:** 6

**Roll No.:** 2096001

**Student ID:** 20011253

**Date:** 01/03/2023

**Objective:**

Create a web page using HTML to implement form.

**HTML Code:**

<!DOCTYPE html><HTML>

<head>

<title>Login Form</title>

</head>

<body>

<center>

<form>

<fieldset>

<legend align="Center" style="color:brown;">Login Form</legend>

<label for="name">Enter Username</label><br>

Username:<input type="text" name="username" size="20"> <br>

<label for="password">Enter Password</label><br>

Password: <input type="password" name="password" size="20"><br>

<input type="radio" name="male" checked>Male <br>

<input type="radio" name="female">Female <br>

<input type="Submit" name="login" value="Login">

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

</fieldset>

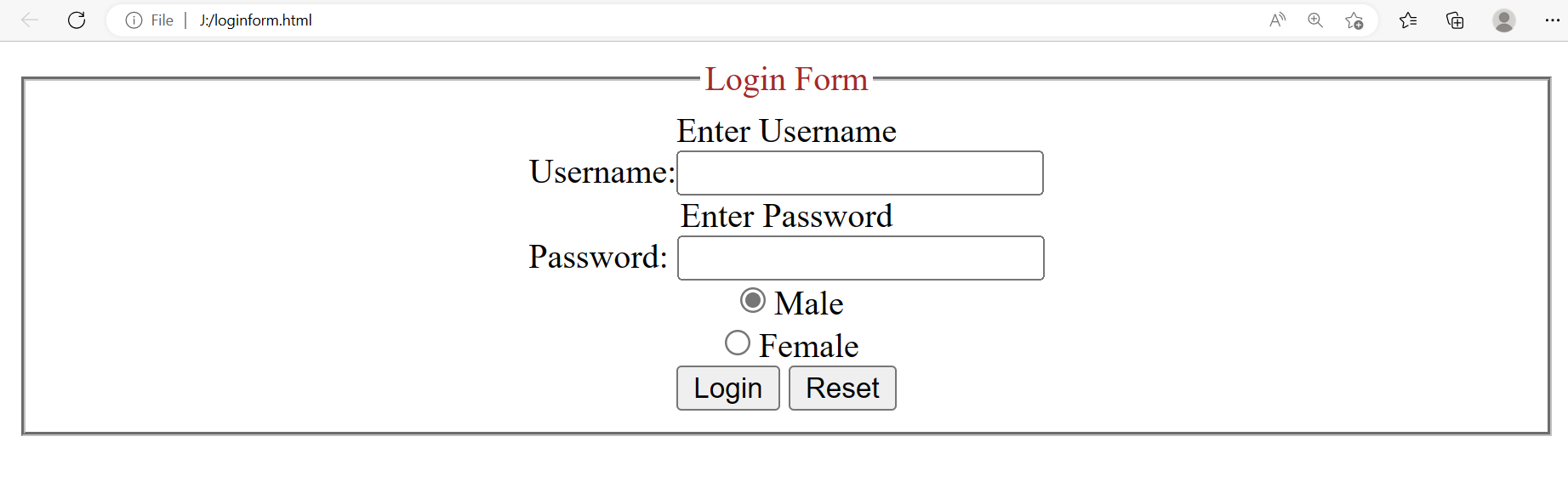
</form>

</center>

</body>

</HTML>

**Result:**

****

**PRACTICAL 6**

**Name:** UTKARSH SAH

**Course:** B.TECH

**Branch:** CSE

**Semester:** 6

**Roll No.:** 2096001

**Student ID:** 20011253

**Date:** 15/03/2023

**Objective:**

Write a program in PHP to demonstrate use of:

1. for loop
2. while loop
3. foreach loop
4. **PHP Program of for loop:**

<!DOCTYPE html>

<html>

<body>

<?php

$n = 10;

for($i=0; $i<$n; $i++)

{

echo "$i <br>";

}

?>

</body>

</html>

**Result:**

****

1. **PHP Program of while loop:**

<!DOCTYPE html>

<html>

<body>

<?php

$n = 100;

$i = 10;

while($i<=$n)

{

echo "$i <br>";

$i += 10;

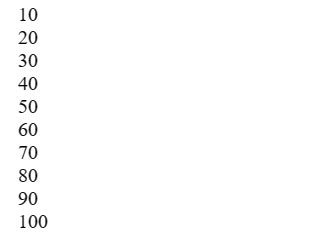
}

?>

</body>

</html>

**Result:**

****

1. **PHP Program of foreach loop:**

<!DOCTYPE html>

<html>

<body>

<?php

$arr = array("Red", "Blue", "Green", "Orange", "Brown", "Yellow", "Pink", "Purple", "Black", "White", "Grey");

foreach ($arr as $element)

{

echo "$element <br>";

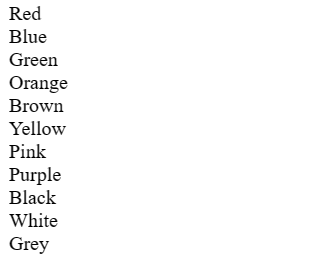
}

?>

</body>

</html>

**Result:**

****

**PRACTICAL 7**

**Name:** UTKARSH SAH

**Course:** B.TECH

**Branch:** CSE

**Semester:** 6

**Roll No.:** 2096001

**Student ID:** 20011253

**Date:** 15/03/2023

**Objective:**

Write a program in PHP to demonstrate use of:

1. break
2. continue
3. **PHP Program of break:**

<!DOCTYPE html>

<html>

<body>

<?php

$n = 100;

$i = 10;

while($i<=$n)

{

if($i==50)

{

break;

}

echo "$i <br>";

$i += 10;

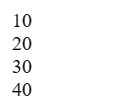
}

?>

</body>

</html>

**Result:**

****

1. **PHP Program of continue:**

<!DOCTYPE html>

<html>

<body>

<?php

$n = 100;

$i = 10;

while($i<=$n)

{

if($i==50)

{

$i += 10;

continue;

}

echo "$i <br>";

$i += 10;

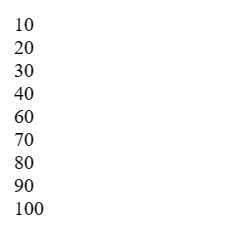
}

?>

</body>

</html>

**Result:**

****

**PRACTICAL 8**

**Name:** UTKARSH SAH

**Course:** B.TECH

**Branch:** CSE

**Semester:** 6

**Roll No.:** 2096001

**Student ID:** 20011253

**Date:** 15/03/2023

**Objective:**

Write a program to demonstrate use of user defined function

**PHP Program:**

<!DOCTYPE html>

<html>

<body>

<?php

function add($a, $b)

{

return $a + $b;

}

echo add(2,3)."<br>";

echo add(7,9)."<br>";

echo add(10,20)."<br>";

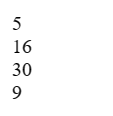
echo add(3,6)."<br>";

?>

</body>

</html>

**Result:**



**PRACTICAL 9**

**Name:** UTKARSH SAH

**Course:** B.TECH

**Branch:** CSE

**Semester:** 6

**Roll No.:** 2096001

**Student ID:** 20011253

**Date:** 15/03/2023

**Objective:**

Demonstrate use of META TAG

**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" />

    <meta name="description" content="THIS IS META TAG" />

    <meta name="keywords" content="HTML, CSS, JS" />

    <meta name="author" content="UTKARSH" />

    <title>P9 LAB</title>

  </head>

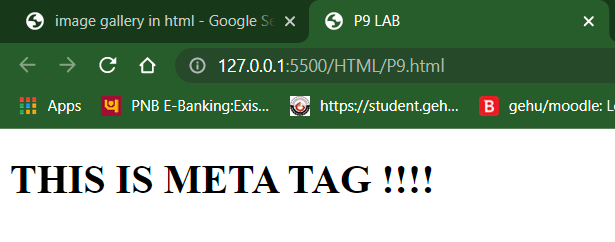
  <body>

<h1> THIS IS META TAG !!!!</h1>

</body>

</html>

**Result:**



**PRACTICAL 10**

**Name:** UTKARSH SAH

**Course:** B.TECH

**Branch:** CSE

**Semester:** 6

**Roll No.:** 2096001

**Student ID:** 20011253

**Date:** 22/03/2023

**Objective:**

Demonstrate the use of IMAGE TAG

**CODE:**

<html>

  <body>

    <img

      src="Artificial-Intelligence-5.jpg"

      alt="FSDW"

      width="1500"

      height="300"

      alt="no result"

    />

    <font color="#0033cc">

    <h1 align="center"><b>FULL STACK WEB DEVELOPMENT</b></h1></body><hr/>

    <h2 align="center"><i>LAB</i></h2><br/>

    <p align="center">Web development refers to the creating, building, and maintaining of websites. It includes aspects such as web design, web publishing, web programming, and database management. It is the creation of an application that works over the internet i.e. websites.</p>

    </font>

    <h2>LAB WORK LINKS</h2>

    <ul type="square">

       <li><a href="\HTML TABLE.html" target="\_blank">HTML TABLE</a></li>

       <li><a href="\HTML FORM.html" target="\_blank">HTML FORM</a></li>

       <li><a href="\HTML FRAME\main.html" target="\_blank">HTML FRAME</a></li>

    </ul>

  </body>

</html>

**Result:**

****

**PRACTICAL 11**

**Name:** UTKARSH SAH

**Course:** B.TECH

**Branch:** CSE

**Semester:** 6

**Roll No.:** 2096001

**Student ID:** 20011253

**Date:** 22/03/2023

**Objective:**

Demonstrate the use of FRAME & FRAMESET TAG

**CODE:**

<html>

<head>

    <title>Graphic Era Hill University</title>

  </head>

  <frameset rows="25%, 50%, 25%">

    <frame src="tp.html" name="topframe" />

    <frameset cols="30%, 70%">

      <frame src="lp.html" name="linkframe" />

      <frame src="https://collegedagadiya.co.in/" name="screenframe" />

    </frameset>

    <frame src="bp.html" name="bottomframe" />

  </frameset>

</html>

**Result:**

****

**PRACTICAL 12**

**Name:** UTKARSH SAH

**Course:** B.TECH

**Branch:** CSE

**Semester:** 6

**Roll No.:** 2096001

**Student ID:** 20011253

**Date:** 29/03/2023

**Objective:**

Create a web page to demonstrate:

1. Inline CSS
2. Internal CSS
3. External CSS
4. **Inline CSS:**

HTML Code:

<!DOCTYPE html>

<html>

<head>

<title>Inline CSS Example</title>

</head>

<body style="background-color: #f0f0f0; font-family: Arial, sans-serif;">

<h1 style="color: blue; text-align: center;">Welcome to our website</h1>

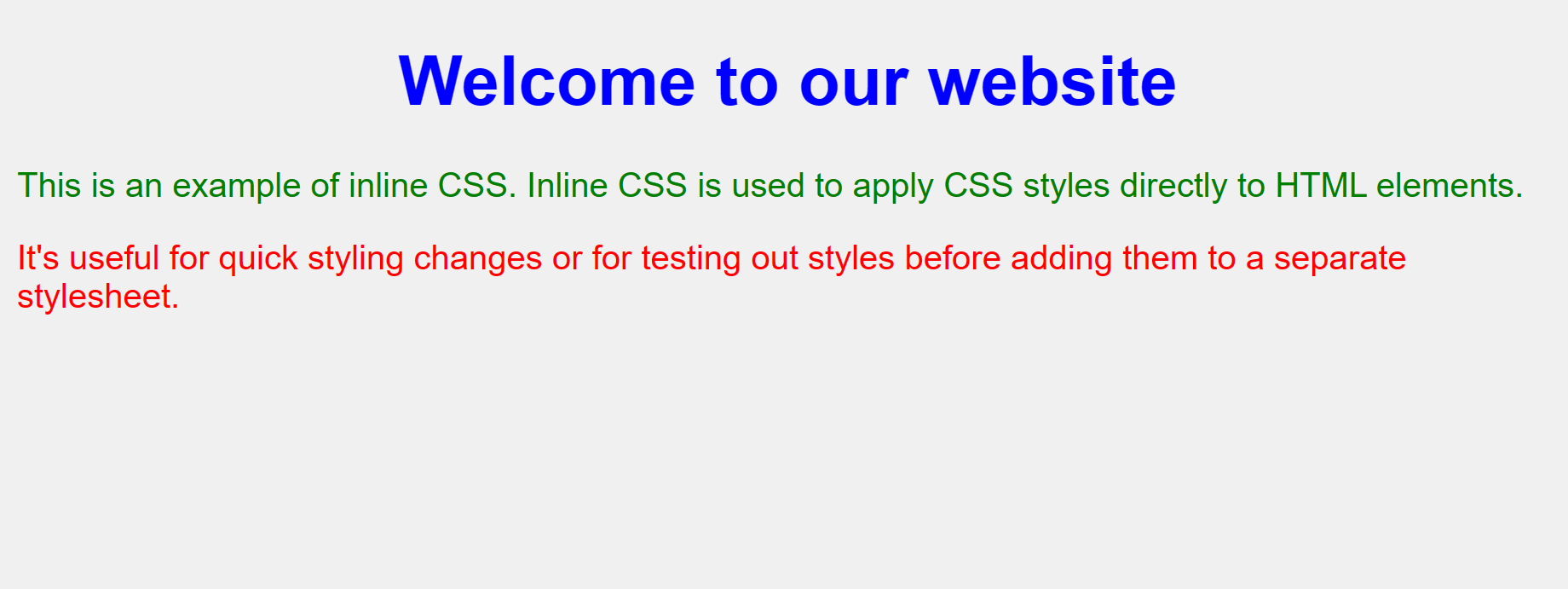
<p style="color: green;">This is an example of inline CSS. Inline CSS is used to apply CSS styles directly to HTML elements.</p>

<p style="color: red;">It's useful for quick styling changes or for testing out styles before adding them to a separate stylesheet.</p>

</body>

</html>

Result:

****

1. **Internal CSS:**

HTML Code:

<html>

<head>

<title>Internal CSS Example</title>

<style>

body {

background-color: #f0f0f0;

font-family: Arial, sans-serif;

}

h1 {

color: purple;

text-align: center;

}

p {

color: blue;

}

</style>

</head>

<body>

<h1>Welcome to our website</h1>

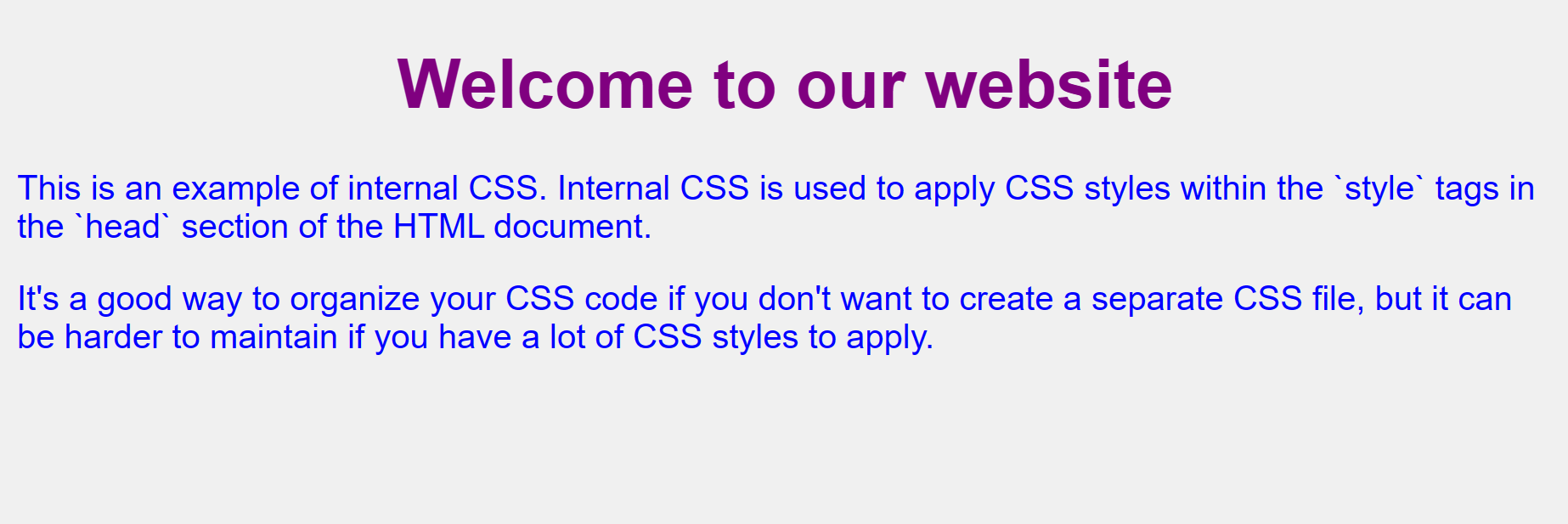
<p>This is an example of internal CSS. Internal CSS is used to apply CSS styles within the `style` tags in the `head` section of the HTML document.</p>

<p>It's a good way to organize your CSS code if you don't want to create a separate CSS file, but it can be harder to maintain if you have a lot of CSS styles to apply.</p>

</body>

</html>

Result:



1. **External CSS:**

HTML Code:

<html>

<head>

<title>External CSS Example</title>

<link rel="stylesheet" type="text/css" href="styles.css">

</head>

<body>

<h1>Welcome to my website!</h1>

<p>This is an example of external CSS. External CSS is used to apply CSS styles from a separate file to an HTML document.</p>

<p>It's the most common way to apply styles to a website, as it allows you to keep your HTML and CSS code separate and makes it easier to maintain your website's design.</p>

</body>

</html>

CSS Code:

body {

background-color: #f0f0f0;

font-family: Arial, sans-serif;

}

h1 {

color: blue;

text-align: center;

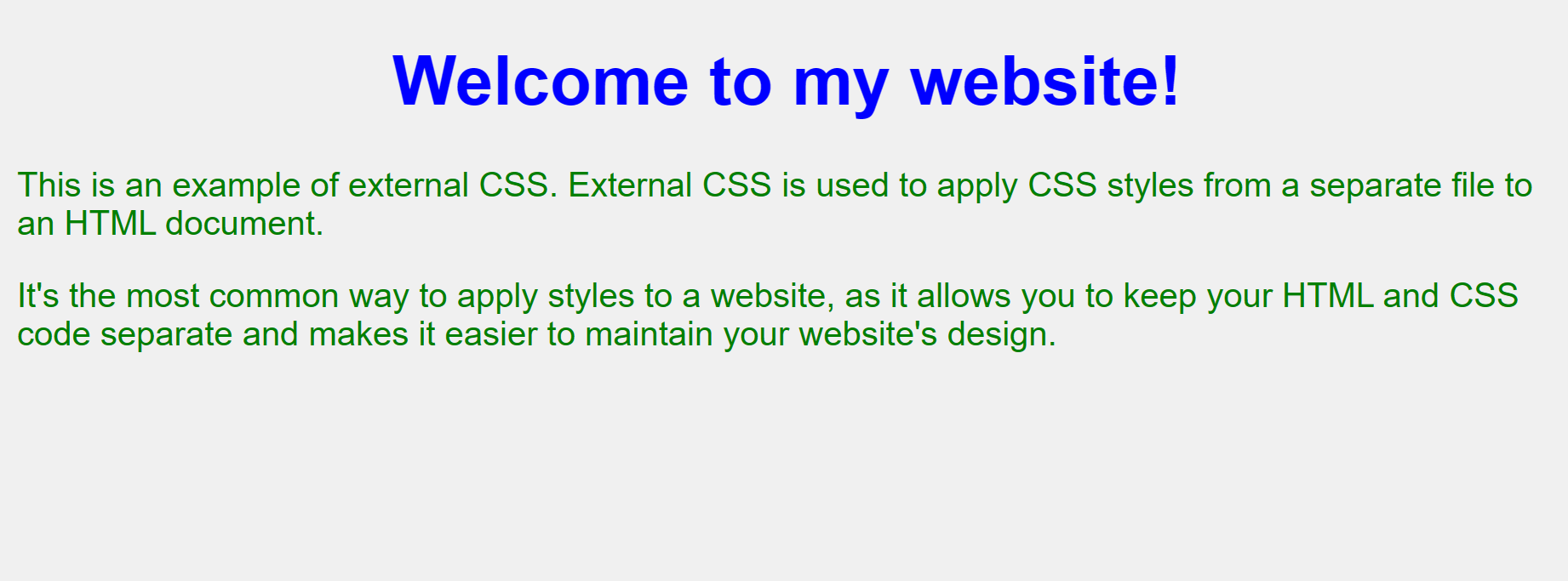
}

p {

color: green;

}

Result:



**PRACTICAL 13**

**Name:** UTKARSH SAH

**Course:** B.TECH

**Branch:** CSE

**Semester:** 6

**Roll No.:** 2096001

**Student ID:** 20011253

**Date:** 29/03/2023

**Objective:**

Create a web page to demonstrate:

1. CSS Box Model
2. Content positioning using CSS
3. Coloring and different font family
4. Using image
5. **CSS Box Model:**

Code:

<!DOCTYPE html>

<html>

<head>

<title>CSS Box Model Example</title>

<style>

.container {

background-color: #f0f0f0;

padding: 20px;

border: 5px solid black;

width: 400px;

}

.box {

background-color: #ff0000;

color: #ffffff;

padding: 10px;

margin: 20px;

border: 2px solid black;

width: 300px;

height: 200px;

}

.text {

background-color: #00ff00;

color: #ffffff;

padding: 10px;

margin: 20px;

border: 2px solid black;

width: 300px;

}

</style>

</head>

<body>

<div class="container">

<div class="box">

<p>This is an example of a box using the CSS box model. The box has a red background, white text, and is surrounded by a black border.</p>

</div>

<div class="text">

<p>This is another box that demonstrates the CSS box model. This box has a green background, white text, and a black border. It doesn't have a fixed height, so the height of the box is determined by the height of the text inside.</p>

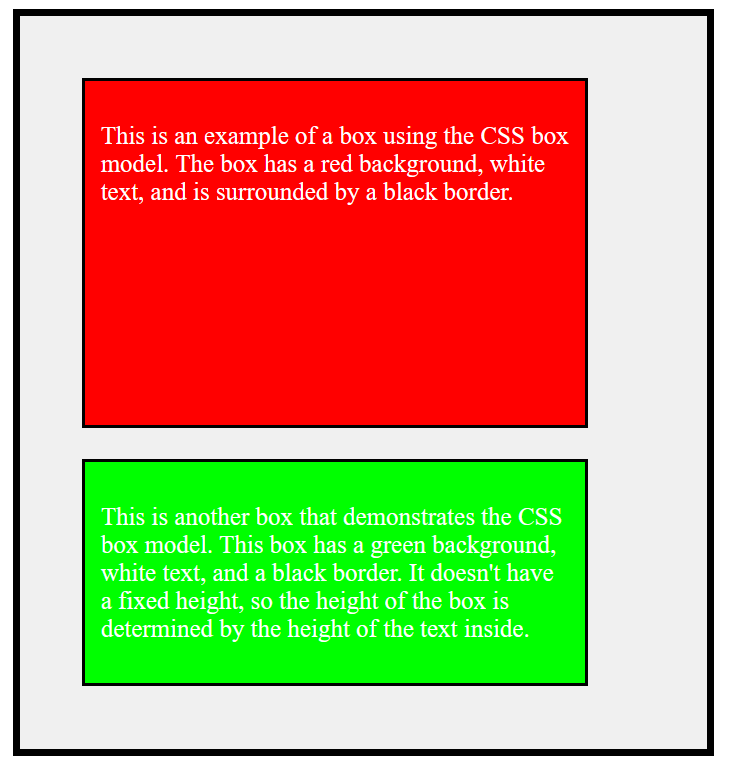
</div>

</div>

</body>

</html>

Result:



1. **Content positioning using CSS:**

Code:  
<!DOCTYPE html>

<html>

<head>

<style>

#container {

width: 100%;

height: 200px;

background-color: #f2f2f2;

position: relative;

}

#content {

width: 50%;

height: 50%;

background-color: #4CAF50;

position: absolute;

top: 50%;

left: 50%;

transform: translate(-50%, -50%);

}

</style>

</head>

<body>

<div id="container">

<div id="content">

<p>This is example of content positioning in CSS</p>

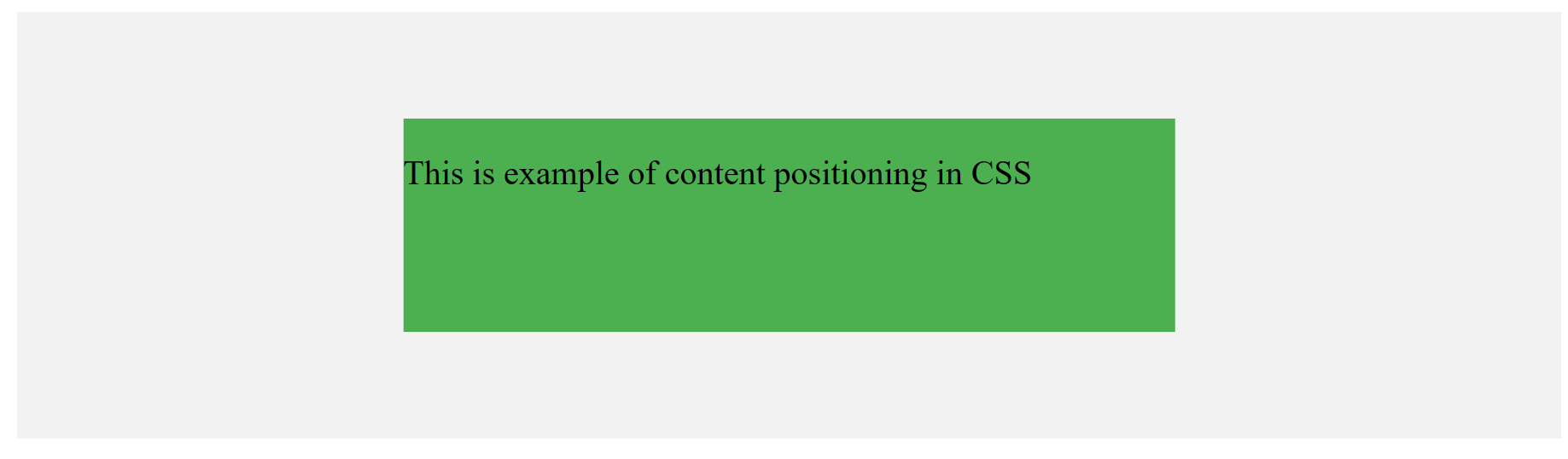
</div>

</div>

</body>

</html>

Result:



1. **Coloring and different font family:**

Code:

<!DOCTYPE html>

<html>

<head>

<title>CSS Example: Color and Font Family</title>

<style>

body {

font-family: Arial, sans-serif;

}

h1 {

color: #FF0000;

font-family: sans-serif, Impact;

text-align: center;

}

p {

color: #0000FF;

font-family: Georgia, serif;

}

</style>

</head>

<body>

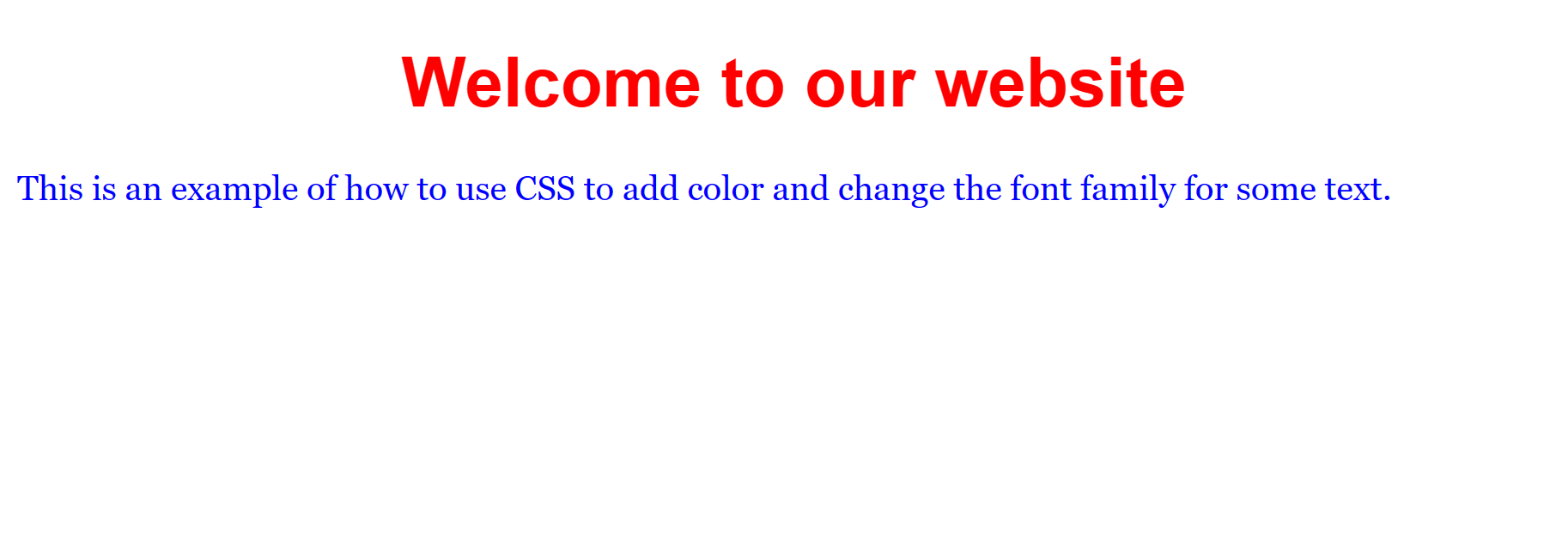
<h1>Welcome to our website</h1>

<p>This is an example of how to use CSS to add color and change the font family for some text.</p>

</body>

</html>

Result:



1. **Using image:**

Code:

<!DOCTYPE html>

<html>

<head>

<title>Using Image in CSS</title>

<style>

.image-container {

background-image: url('campus-hld-gehu.jpg');

background-repeat: no-repeat;

background-size: cover;

width: 500px;

height: 500px;

}

</style>

</head>

<body>

<center>

<h1>Graphic Era Hill University</h1>

<h2>Haldwani Campus</h2>

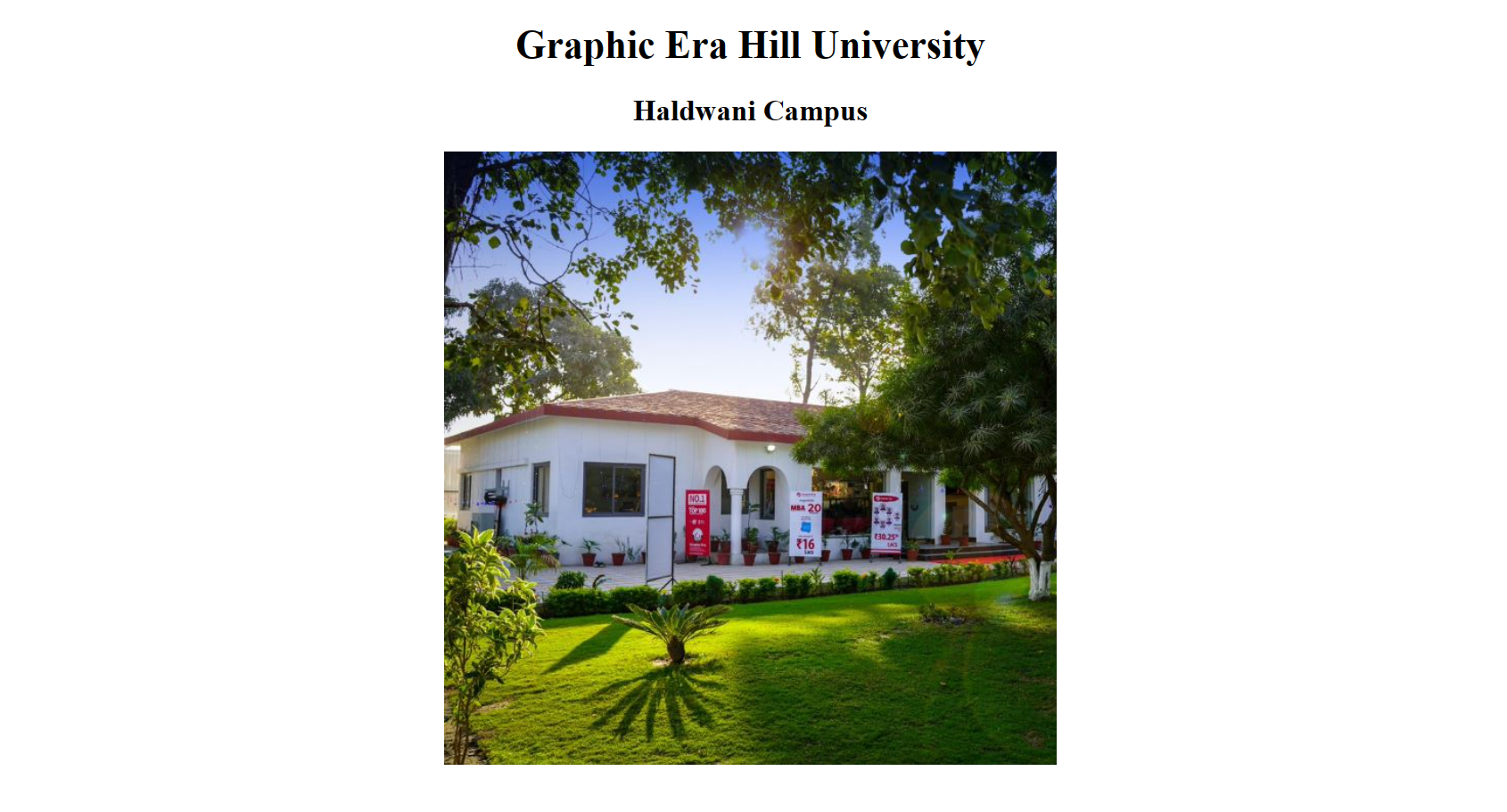
<div class="image-container"></div>

</center>

</body>

</html>

Result:



**PRACTICAL 14**

**Name:** UTKARSH SAH

**Course:** B.TECH

**Branch:** CSE

**Semester:** 6

**Roll No.:** 2096001

**Student ID:** 20011253

**Date:** 10/05/2023

**Objective:**

Write a HTML Code to implement various loops in JS & use document.write/writeln function.

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>Loops in JS</title>

  </head>

  <body>

    <pre>

        <script>

          for(i=0;i<2;i++)

          {

          document.write("GRAPHIC ERA \n");

          }

          document.write("\n");

          j=0;

          while(j<2)

           {

            document.write("GRAPHIC ERA \n");

            j++;

           }

           document.write("\n");

           k=0;

        do{

            document.write("GRAPHIC ERA \n");

            k++;

        }while(k<2);

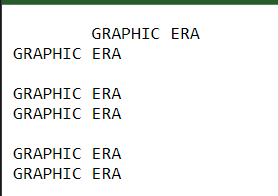
      </script>

      </pre>

  </body>

</html>

Result:



**PRACTICAL 15**

**Name:** UTKARSH SAH

**Course:** B.TECH

**Branch:** CSE

**Semester:** 6

**Roll No.:** 2096001

**Student ID:** 20011253

**Date:** 10/05/2023

**Objective:**

Implement the following:

1. Use of different types of variables used in JS

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>VARIABLE IN JS</title>

  </head>

  <body>

    <pre>

    <script>

      const firstName = "John"; // string variable

      let age = 30; // number variable

      let isStudent = true; // boolean variable

      let hobbies = ["reading", "coding", "playing guitar"]; // array variable

      let person = {

        // object variable

        firstName: "Jane",

        lastName: "Doe",

        age: 25,

      };

      document.writeln("First Name:", firstName);

      document.writeln("Age:", age);

      document.writeln("Is Student:", isStudent);

      document.writeln("Hobbies:", hobbies);

      document.write("First name:", person.firstName);

    </script>

    </pre>

  </body>

</html>

Result:

A black text on a white background

Description automatically generated with low confidence

1. Use of if-else in your JS

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>IF ELSE IN JS</title>

  </head>

  <body>

    <pre>

        <script>

          let i=0;

          if(i<5)

          {

          document.write("GRAPHIC ERA \n");

          }

         else

         {

            document.write("ERROR");

         }

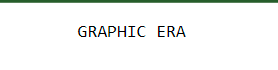
      </script>

      </pre>

  </body>

</html>

Result:



**PRACTICAL 16**

**Name:** UTKARSH SAH

**Course:** B.TECH

**Branch:** CSE

**Semester:** 6

**Roll No.:** 2096001

**Student ID:** 20011253

**Date:** 17/05/2023

**Objective:**

Write a Html Page To Register & Validate A User

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>WA HTML PAGE TO REGISTER & VALIDATE A USER</title>

  </head>

  <script>

    function validateForm()

    {

        var username = document.forms["registrationForm"]["username"].value;

        var password = document.forms["registrationForm"]["password"].value;

// Check if fields are empty

        if (username == "" ||  password == "")

        {

            alert("All fields must be filled out");

            return false;

        }

// Validate password length

        if (password.length < 6)

        {

            alert("Password must be at least 6 characters long");

            return false;

        }

// Registration successful

        alert("Registration successful");

        return true;

    }

</script>

</head>

<body>

<form name="registrationForm" onsubmit="return validateForm()">

    <fieldset>

    <legend>USER Registration</legend>

    <label for="username">Username:</label>

    <input type="text" id="username" name="username" required><br>

    <label for="password">Password:</label>

    <input type="password" id="password" name="password" required><br>

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

    </fieldset>

</form>

</legend>

</body>

</html>

Result:

A picture containing text, line, screenshot

Description automatically generated

**PRACTICAL 17**

**Name:** UTKARSH SAH

**Course:** B.TECH

**Branch:** CSE

**Semester:** 6

**Roll No.:** 2096001

**Student ID:** 20011253

**Date:** 17/05/2023

**Objective:**

Write A Html Page To Read And Write Content Of Webpage

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>READ AND WRITE CONTENT OF WEBPAGE</title>

</head>

<body>

<p id="pdemo">UTKARSH</p>

<script>

name = document.getElementById("pdemo").innerHTML;

document.getElementById("pdemo").innerHTML = "HELLO" + " " + name;

</script>

</body>

</html>

Result:

A picture containing text, font, screenshot, graphics

Description automatically generated