

Experiment 1

Aim: Design web pages for your college containing a description of the courses, departments, faculties, library etc, use href, list tags.

=====

index.html

```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
<head>
```

```
<meta charset="UTF-8" />
```

```
<meta name="viewport" content="width=device-width, initial-scale=1.0" />
```

```
<title>Home</title>
```

```
</head>
```

```
<body>
```

```
<h1>Bhagwan Parshuram Institute of Technology</h1>
```

```

```

```
<ul>
```

```
<li>
```

```
<h2><a href="courses.html">Courses</a></h2>
```

```
</li>
```

```
<li>
```

```
<h2><a href="department.html">Departments</a></h2>
```

```
</li>
```

```
<li>
```

```
<h2><a href="facutly.html">Faculty</a></h2>
```

```
</li>
```

```
</ul>
```

```
</body>
```

```
</html>
```

=====

courses.html

```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
<head>
```

```
<meta charset="UTF-8" />
```

```
<meta name="viewport" content="width=device-width, initial-scale=1.0" />
```

```
<title>Courses</title>
```

```
</head>
```

```
<body>
```

```
<h1>Courses</h1>
```

```
<ol>
```

```
<li>B.Tech</li>
```

```
<ul>
```

```
<li>CSE</li>
```

```
<li>ECE</li>
```

```
<li>EEE</li>
```

```
</ul>
```

```
<li>BCA</li>
```

```
<li>BBA</li>
```

```
</ol>
```

```
</body>
```

```
</html>
```

=====

department.html

```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
<head>
```

```
<meta charset="UTF-8">
```

```
<meta name="viewport" content="width=device-width, initial-scale=1.0">
```

```
<title>Document</title>
</head>
<body>
  <h1>Departments</h1>
  <ul>
    <li>Applied Sciences</li>
    <li>Computer Science Engineering</li>
    <li>Electronics and Communication Engineering</li>
    <li>Electrical and Electronics Engineering</li>
  </ul>
</body>
</html>
```

=====

faculty.html

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />
    <title>Faculty</title>
  </head>
  <body>
    <h1>Faculty</h1>
    <ul>
      <li>Dr. Achal Kaushik</li>
    </ul>
    

<li>Bhawana Suri</li>



<li>Dr. Shewta Taneja</li>



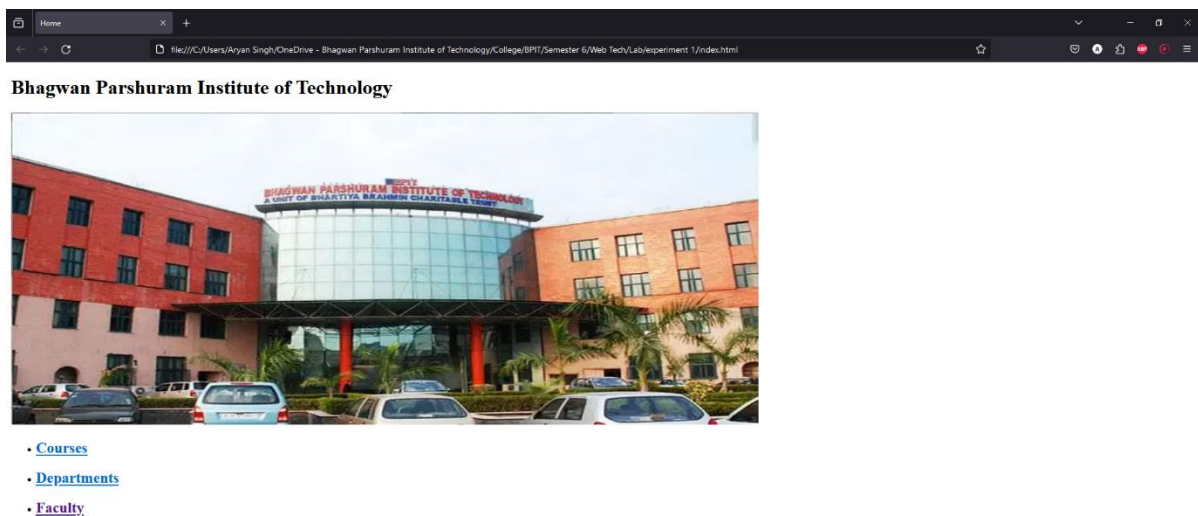
</ul>

</body>

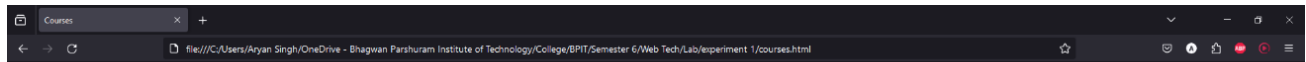
</html>
```

OUTPUT

index.html



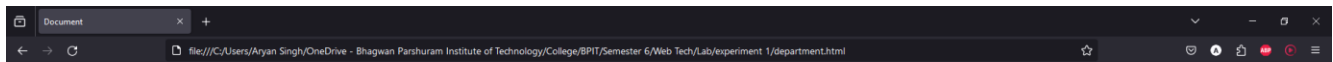
courses.html



Courses

1. B.Tech
 - CSE
 - ECE
 - EEE
2. BCA
3. BBA

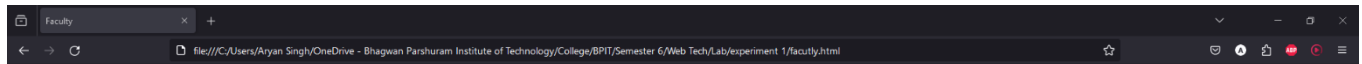
department.html



Departments

- Applied Sciences
- Computer Science Engineering
- Electronics and Communication Engineering
- Electrical and Electronics Engineering

faculty.html



Faculty

- Dr. Achal Kaushik



- Bhavana Suri



- Dr. Shweta Taneja



Experiment 2

Aim: Write html code to develop a webpage having two frames that divide the webpage into two equal rows and then divide the row into equal columns fill each frame with a different background color.

experiment2.html

```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
<head>
```

```
<meta charset="UTF-8" />
```

```
<meta name="viewport" content="width=device-width, initial-scale=1.0" />
```

```
<title>Document</title>
```

```
<frameset rows="50%, 50%" cols="50%, 50%">
```

```
<frame style="background-color: brown;">
```

```
<frame style="background-color: forestgreen;">
```

```
<frame style="background-color: aqua;">
```

```
<frame style="background-color: blueviolet">
```

```
</frameset>
```

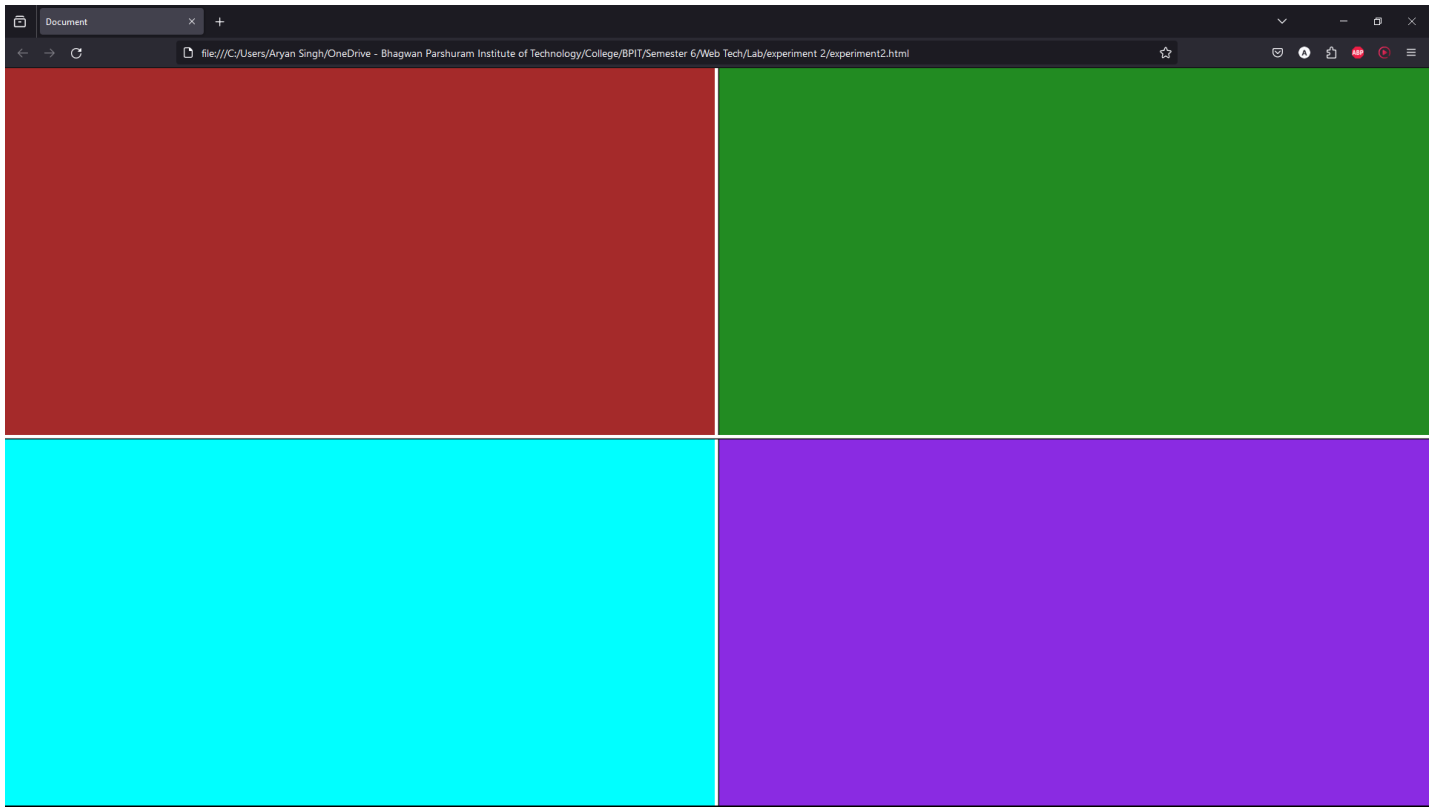
```
</head>
```

```
<body>
```

```
</body>
```

```
</html>
```

OUTPUT:



Experiment 3

Aim: Design a web page of your hometown with an attractive background color, text color, an Image, font etc. (use internal CSS).

index.html

```
<!DOCTYPE html>

<html lang="en">

<head>

  <meta charset="UTF-8" />

  <meta name="viewport" content="width=device-width, initial-scale=1.0" />

  <title>Welcome to Gurgaon</title>

  <link rel="stylesheet" href="https://fonts.googleapis.com/css2?family=Roboto&display=swap">

  <style>

    body {

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

      margin: 0;

      padding: 0;

      background-color: #f0f0f0; /* Light gray background */

      color: #333; /* Dark gray text color */

    }

    header {

      background-color: #1e90ff; /* Dodger blue header */

      color: white;

      padding: 20px;

      text-align: center;

    }

    .container {

      max-width: 800px;
```

```
margin: 20px auto;
padding: 20px;
background-color: white;
border-radius: 10px;
box-shadow: 0 0 10px rgba(0,0,0,0.1);
}
```

```
h1, h2 {
  text-align: center;
}
```

```
p {
  line-height: 1.6;
  margin-bottom: 20px;
}
```

```
img {
  display: block;
  margin: 0 auto;
  max-width: 100%;
  height: auto;
  border-radius: 5px;
  box-shadow: 0 0 5px rgba(0,0,0,0.1);
}
```

```
.image-container {
  text-align: center;
}
```

```
.image-container img {
    display: inline;
    margin-right: 10px;
}
</style>
</head>
<body>
    <header>
        <h1>Welcome to Gurgaon</h1>
    </header>
    <div class="container">
        <h2>About Gurgaon</h2>
        <p>
            Gurgaon, officially known as Gurugram, is a thriving city located in the
            Indian state of Haryana. It is a leading financial and technology hub in
            India, attracting businesses and professionals from around the world.
        </p>
        
        <p>
            Gurgaon is known for its modern infrastructure, skyscrapers, shopping
            malls, and vibrant lifestyle. It offers a unique blend of urban
            development and cultural heritage, making it a dynamic place to live and
            work.
        </p>
```

<p>

Explore the bustling streets, enjoy delicious cuisine, and experience
the energetic atmosphere of Gurgaon!

</p>

<div class="image-container">

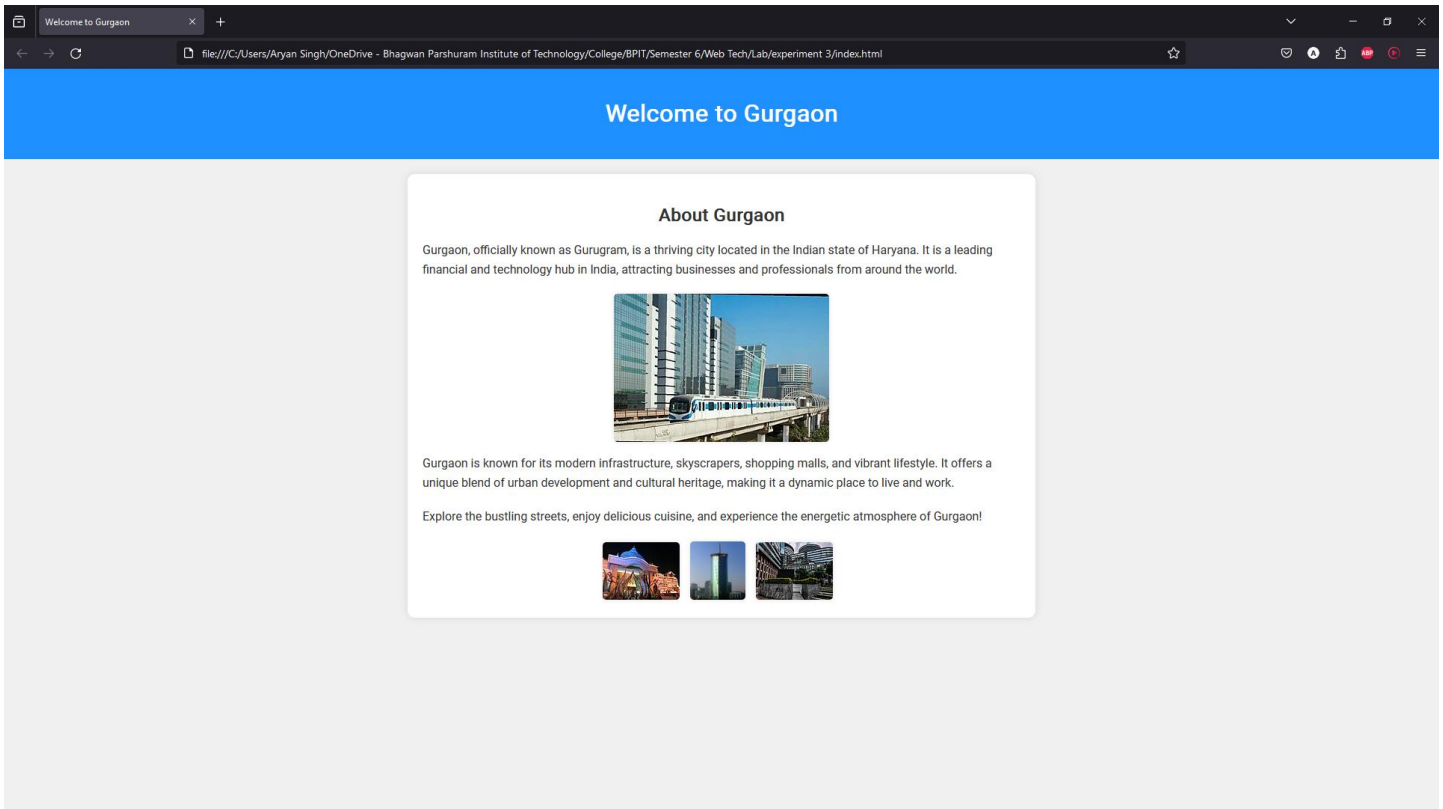
</div>

</div>

</body>

</html>

OUTPUT



Experiment 4

Aim: Use External, Internal, and Inline CSS to format college web page that you created.

index.html

```
<!DOCTYPE html>

<html lang="en">

<head>

  <meta charset="UTF-8" />

  <meta name="viewport" content="width=device-width, initial-scale=1.0" />

  <title>Home</title>

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

  <style>

    h1 {

      color: #006400; /* Dark green */

    }

  </style>

</head>

<body>

  <h1>Bhagwan Parshuram Institute of Technology</h1>

  
```

```
    />
</ul>
<li>
    <h2><a href="courses.html">Courses</a></h2>
</li>
<li>
    <h2><a href="department.html">Departments</a></h2>
</li>
<li>
    <h2><a href="faculty.html">Faculty</a></h2>
</li>
</ul>
</body>
</html>
```

=====

courses.html

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />
    <title>Courses</title>
    <link rel="stylesheet" href="styles.css" />
</head>
<body>
    <h1>Courses</h1>
    <ol>
        <li>B.Tech</li>
    </ol>
```

```
<li>CSE</li>
<li>ECE</li>
<li>EEE</li>
</ul>
<li>BCA</li>
<li>BBA</li>
</ol>
</body>
</html>
```

=====

department.html

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8" />
<meta name="viewport" content="width=device-width, initial-scale=1.0" />
<title>Departments</title>
<link rel="stylesheet" href="styles.css" />
</head>
<body>
<h1>Departments</h1>
<ul>
<li>Applied Sciences</li>
<li>Computer Science Engineering</li>
<li>Electronics and Communication Engineering</li>
<li>Electrical and Electronics Engineering</li>
</ul>
</body>
</html>
```


=====

faculty.html

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8" />

<meta name="viewport" content="width=device-width, initial-scale=1.0" />

<title>Faculty</title>

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

</head>

<body>

<h1>Faculty</h1>

<li style="font-weight: bold">Dr. Achal Kaushik

<li style="font-weight: bold">Bhawana Suri

<li style="font-weight: bold">Dr. Shewta Taneja

```

</ul>
</body>
</html>
```

=====

style.css

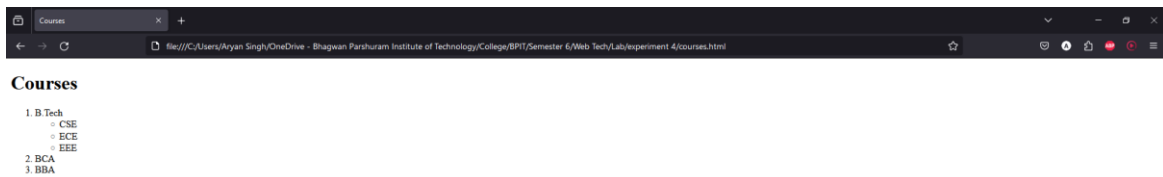
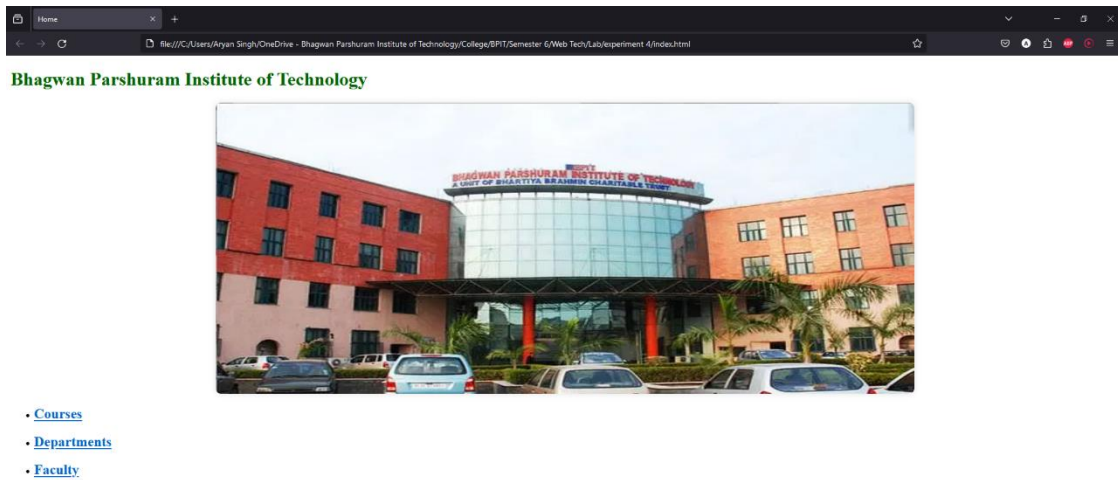
```
body{
  font-family: Arial, sans-serif;
  background-color: #f0f0f0;
  margin: 0;
  padding: 0;
}
```

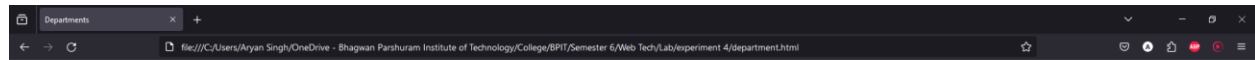
```
h1 {
  color: #333;
  text-align: center;
}
```

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

```
li{  
    margin-bottom: 10px;  
}
```

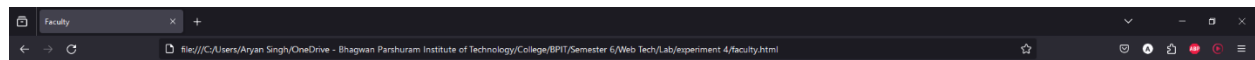
OUTPUT





Departments

- Applied Sciences
- Computer Science Engineering
- Electronics and Communication Engineering
- Electrical and Electronics Engineering



Faculty

- Dr. Akshat Kaushik



- Bhawana Suri



- Dr. Shweta Taneja



Experiment 5

Aim: Create HTML Page with JavaScript which takes Integer number as input and tells whether the number is ODD or EVEN

index.html

```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
<head>
```

```
  <meta charset="UTF-8">
```

```
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
```

```
  <title>Odd or Even Checker</title>
```

```
  <style>
```

```
    body {
```

```
      font-family: Arial, sans-serif;
```

```
      text-align: center;
```

```
    }
```

```
    input[type="number"] {
```

```
      padding: 8px;
```

```
      margin-top: 10px;
```

```
      font-size: 16px;
```

```
    }
```

```
    button {
```

```
      padding: 10px 20px;
```

```
      font-size: 16px;
```

```
      background-color: #4CAF50;
```

```
      color: white;
```

```
      border: none;
```

```
      cursor: pointer;
```

```
    }
```

```
    #result {
```

```
        margin-top: 20px;

        font-size: 18px;
    }
</style>
</head>
<body>

    <h2>Odd or Even Checker</h2>

    <label for="number">Enter a number:</label>

    <input type="number" id="number" placeholder="Enter a number">

    <br>

    <button onclick="checkNumber()">Check</button>

    <div id="result"></div>


<script>

    function checkNumber() {

        // Get the input value

        var number = document.getElementById('number').value;


        // Check if the input is empty or not a number
        if (number === "" || isNaN(number)) {

            alert('Please enter a valid number.');
            return;
        }


        // Convert the input to an integer
        number = parseInt(number);


        // Check if the number is odd or even
        if (number % 2 === 0) {
```

```
document.getElementById('result').innerText = number + ' is an even number!';  
} else {  
    document.getElementById('result').innerText = number + ' is an odd number!';  
}  
}  
</script>  
</body>  
</html>
```

OUTPUT

