

**Lab Manual  
of  
Web Technologies (2CP08)**

**Submitted To  
*Prof. Kirtikumar J. Sharma***

**By  
Abhishek A. Nalla**

**ID No: 22CP319**

**Academic Year: 2022-23**



**Birla Vishvakarma Mahavidyalaya**

## Birla Vishvakarma Mahavidyalaya



### CERTIFICATE

This is to certify that Mr. Abhishek A. Nalla of Second Year (4<sup>th</sup> Semester), ID NO. 22CP319 has completed his term work in the subject of Web Technologies (2CP08) satisfactorily in the Department of Computer in April-2023.

ACCEPTED: \_\_\_\_\_

**Head of Department**

Prof. Kirtikumar J. Sharma

Dr. Darshak G. Thakore

# **BVM ENGINEERING COLLEGE**

(An Autonomous Institute)

## **COMPUTER DEPARTMENT**

**ACADEMIC-YEAR: 2022-23**

**SUBJECT: 2CP08**

### **Institute Vision:**

“Produce globally employable innovative engineer with core value”

### **Institute Mission:**

- 1) Re-engineer curricula to meet global employment requirement.
- 2) Promote innovative practices at all level.
- 3) Imbibe core values.
- 4) Reforms policies, system and processes at all level.
- 5) Develop faculty and staff members to meet the challenges.

### **Computer Department:**

#### **Vision of the Department:**

Produce globally employable Computer Engineers having core values and aptitude to innovate.

#### **Mission of the Department:**

- 1) Revise curricula regularly to incorporate relevant technology advances while also maintaining strong emphasis on fundamentals.
- 2) Deliver quality technical education by regularly reforming policies, systems and processes at all levels.
- 3) Promote innovative and best practices at all levels and create an environment in which research and partnerships with industries flourish.
- 4) Imbibe core values.
- 5) Foster faculty and staff members to meet challenges.

**Program Educational Objectives (PEOs) of (B. Tech.) Computer Engineering Program:**

1. Make technical contribution to the design, development, and production of computing systems.
2. Engage in lifelong learning with leadership qualities, professional ethics, and soft skills.
3. Adapt state of the art development in the field of computer engineering.

**Program Outcomes(POs):**

Immediately after completing the bachelor degree in *Computer Engineering* from BVM Engineering College, our student will be able to:

- 1. Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
- 2. Problem analysis:** Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- 3. Design/Development of solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
- 4. Conduct investigations of complex problems:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
- 5. Modern tool usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
- 6. The engineer and society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
- 7. Environment and sustainability:** Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

- 8. Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- 9. Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- 10. Communication:** Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
- 11. Project management and finance:** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
- 12. Life-long learning:** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

**Program Specific Outcomes (PSOs) for B. Tech. Computer Engineering:**

- 13.** Develop computer engineering solutions for specific needs in different domains applying the knowledge in the areas of programming, algorithms, hardware-interface, system software, computer graphics, web design, networking, and advanced computing.
- 14.** Analyze and test computer software designed for diverse needs.
- 15.** Pursue higher education.

After successful completion of the course, the students will be able to:

- 1. Understand the concepts of WWW including web protocols and web browser architecture.
- 2. Develop the static web pages using the HTML and CSS with different layouts as per need of applications.
- 3. Construct and validate semi-structured database.
- 4. Develop client side scripting using JavaScript and AngularJS.
- 5. Develop dynamic web pages using server side scripting language such as a PHP with database connectivity.
- 6. Develop real world applications.

## LAB 1

**Aim:** Develop static web page of Resume using HTML tags.

### Pr1.html:-

```
<!DOCTYPE html>
<html>
<head>
  <meta name="author" content="Abhishek Nalla">
  <meta name="ID" content="2CP319">
  <title>Resume</title>
  <style>
  body{
    background-color: lightgray;
    animation-name: bg;
    animation-duration: 3s;
    animation-iteration-count: infinite;
  }
  @keyframes bg {
    /* from {background-color:darkslategrey;} */
    /* to {background-color: lightslategray;} */
  }
  ::selection{
    background: gray;
    color: snow;
  }
  html{
    scroll-behavior: smooth;
  }
  *{
    font-family: sans-serif;
  }
  .container{
    background-color: white;
    width: 50%;
    border: 3px solid gray;
    margin: 50px auto;
    padding: 20px 50px;
    box-shadow: 5px 10px 8px #888888;
  }
  .inner-container{
    margin: 20px 0px 30px 0px;
  }
  .name-container{
    text-align: center;
    margin-top: 20px;
    border-bottom: 2px solid gray;
  }
}
```

```
img{
  border-radius: 10px;
}
.details tr {
  display: block;
  font-size: 20px;
  margin: 10px 0px;
}
.details{
  padding: 20px 0px;
  border-bottom: 2px solid gray;
}
.intro{
  padding: 10px 0px;
  border-bottom: 2px solid gray;
}
.intro p{
  font-size: 20px;
  text-indent: 20px;
  line-height: 30px;
}
.education{
  padding: 10px 0px;
  border-bottom: 2px solid gray;
}
.education table {
  width: 100%;
  text-align: center;
  margin: 25px auto;
  font-size: 20px;
  border-collapse: collapse;
  border: 1px solid black;
}
.education td,th{
  border: 1px solid black;
  padding: 10px 0px;
}
.skills li{
  font-size: 20px;
  margin: 10px 0px;
}
.projects dd{
  font-size: 20px;
  margin: 10px 0px;
}
.projects dt{
  font-weight: bold;
  font-size: 20px;
}
```

```

        margin: 10px 0px;
    }
    @keyframes imgrotate {
    from { transform: rotate(0deg);}
    to { transform: rotate(360deg);}
    }
</style>
</head>
<body>
<div class='container'>
<div class="inner-container">
<div class="name-container">

<h2>Abhishek Nalla</h2>
</div>
<div class="details">
<h2>
<u>Personal details</u>
</h2>
<p>
<table>
<tr>
<td>Mobile No : </td>
<td>8456359845</td>
</tr>
<tr>
<td>Age : </td>
<td>19</td>
</tr>
<tr>
<td>College : </td>
<td>Birla Vishvakarma Mahavidyalaya</td>
</tr>
<tr>
<td>DOB : </td>
<td>30/09/2003</td>
</tr>
<tr>
<td>Email : </td>
<td><a href="mailto:nallaabhi2003@gmail.com">nallaabhi2003@gmail.com</a></td>
</tr>
</table>
</p>
</div>
<div class="intro">
<h2>
<u>Introduction</u>
</h2>

```



<p>

Hey there, I am Abhishek Nalla. I did my Diploma in Informatin Technology. Currently, I'm pursuing the B.Tech in Computer Engineering at BVM, Anand.

I'm hard working and highly motivated person. I can adjust in any situation.

</p>

</div>

<div class="education">

<h2>

<u>Education Details</u>

</h2>

<table >

<tr>

<th> Sr No. </th>

<th> Name </th>

<th> Marks </th>

</tr>

<tr>

<td>1</td>

<td>Sunrise Vidyalaya School</td>

<td>77%</td>

</tr>

<tr>

<td>2</td>

<td>Dr S & SS Ghandhy College of Engineering and Technology</td>

<td>9.56 CGPA</td>

</tr>

</table>

</div>

<div class="skills">

<h2>

<u>Skills</u>

</h2>

<ul style="list-style-type:disclosure-closed; padding-left: 25px">

<li>Problem Solving</li>

<li>C++ and C</li>

<li>PHP</li>

<li>phpMyAdmin</li>

<li>Team-Work</li>

<li>Presentation Skills</li>

<li>Coding</li>

<li>Communication</li>

</ul>

</div>

<div class="projects">

<h2>

<u>Projects</u>

</h2>

<dl>

```
<dt>E-Ration</dt>
<dd>- E-Ration is a web-portal which is almost Digitalized version of existing Ration System. It is
developed in PHP and phpMySQL.</dd>
<dt>Organ Donation</dt>
<dd>- Organ Donation is a website which is used for donating organs and requesting for the
available organ from website. It is developed in asp.net and MySQL.</dd>
<dt>GLiB Notes</dt>
<dd>- GLiB Notes is a website which is used to upload and download the uploaded notes. It is
developed in PHP and phpMySQL.</dd>
</dl>
</div>
</div>
</body>
</html>
```

**OUTPUT:-****Abhishek Nalla****Personal details**

Mobile No : 8456359845

Age : 19

College : Birla Vishvakarma Mahavidyalaya

DOB : 30/09/2003

Email : [nallaabhi2003@gmail.com](mailto:nallaabhi2003@gmail.com)**Introduction**

Hey there, I am Abhishek Nalla. I did my Diploma in Informatin Technology. Currently, I'm pursing the B.Tech in Computer Engineering at BVM, Anand. I'm hard working and highly motivated person. I can adjust in any situation.

**Education Details**

Sr No.	Name	Marks
1	Sunrise Vidyalaya School	77%
2	Dr S & SS Ghandhy College of Engineering and Technology	9.56 CGPA

**Skills**

- ▶ Problem Solving
- ▶ C++ and C
- ▶ PHP
- ▶ phpMyAdmin
- ▶ Team-Work
- ▶ Presentation Skills
- ▶ Coding
- ▶ Communication

**Projects****E-Ration**

- E-Ration is a web-portal which is almost Digitalized version of existing Ration System. It is developed in PHP and phpMySQL.

**Organ Donation**

- Organ Donation is a website which is used fro donating organs and requesting for the available organ from website. It is developed in asp.net and MySQL.

**GLIB Notes**

- GLIB Notes is a website which is used to upload and download the uploaded notes. It is developed in PHP and phpMySQL.

**LAB 2**

**Aim:** Develop static web page of irregular tables using HTML Tags.

**Pr2a.html:-**

```
<!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="author" content="Abhishek Nalla">
  <meta name="ID" content="2CP319">
  <title>Table</title>
  <style>
    table {
      font-family: arial, sans-serif;
      border-collapse: collapse;
    }

    td, th {
      border: 1px solid #dddddd;
      text-align: left;
      padding: 8px;
    }
  </style>
</head>
<body>
  <table style="box-shadow: 5px 10px 8px #888888; margin: auto; margin-top: 15%;">
    <tr>
      <td rowspan="3" colspan="3">Today's Opinion Poll Question</td>
      <td rowspan="2" colspan="3">Potitical Party</td>
    </tr>
    <tr></tr>
    <tr>
      <td>Democrat</td>
      <td>Republican</td>
      <td>Independent</td>
    </tr>
    <tr>
      <td rowspan="3" colspan="2">Do you favor or oppose<br> increasing the minimum wages?</td>
      <td>Favor</td>
      <td>70%</td>
      <td>30%</td>
      <td>35%</td>
    </tr>
    <tr>
      <td>Oppose</td>
```

```

        <td>25%</td>
        <td>60%</td>
        <td>30%</td>
    </tr>
    <tr>
        <td>Unsure</td>
        <td>5%</td>
        <td>5%</td>
        <td>15%</td>
    </tr>
</table>
</body>
</html>

```

**OUTPUT:-****Pr2a.html**

Today's Opinion Poll Question		Potitical Party		
		Democrat	Republican	Independent
Do you favor or oppose increasing the minimum wages?	Favor	70%	30%	35%
	Oppose	25%	60%	30%
	Unsure	5%	5%	15%

**Aim:** Develop static web page of Registration form using HTML tags

### Pr2b.html

```
<!DOCTYPE html>
<html lang="en">
<head>
  <title></title>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1">
  <meta name="author" content="Abhishek Nalla">
  <meta name="ID" content="2CP319">
  <link href="style.css" rel="stylesheet">
</head>
<body>
  <div class="main-container">
    <div class="name-container">
      <h2>Registration Form</h2>
    </div>
    <form>
      <div class="data">
        <table>
          <tr>
            <td>Select Academic Year:</td>
            <td>
              <select required>
                <option value="2020-2021">2020-2021</option>
                <option value="2021-2022" selected>2021-2022</option>
                <option value="2022-2023">2022-2023</option>
              </select>
            </td>
          </tr>
          <tr>
            <td>DOB:</td>
            <td><input type="date" name="date" required></td>
          </tr>
          <tr>
            <td>Enter Your Id:</td>
            <td><input autofocus type="number" name="id" required></td>
          </tr>
          <tr>
            <td>Enter Your Name:</td>
            <td><input type="text" name="name" required></td>
          </tr>
          <tr>
            <td>Enter Your Gender:</td>
            <td><input type="radio" id="male" checked name="gender" value="male"><label for="male">
Male</label>
```

```

        <input type="radio" id="female" name="gender" value="Female"> <label
for="female">Female</label>
    </td>
</tr>
<tr>
    <td>Enter Your Address:</td>
    <td><textarea></textarea></td>
</tr>
<tr>
    <td>Subject:</td>
    <td>
        <input type="checkbox" id="cn" value="cn"><label for="cn">Computer Networks</label><br>
        <input type="checkbox" id="coa" value="coa"><label for="coa">Data Structure</label><br>
        <input type="checkbox" id="web" value="Web"><label for="web">Web
Technologies</label><br>
        <input type="checkbox" id="math" value="math"><label for="math">Maths</label>
    </td>
</tr>
<tr>
    <td>Your Fees:</td>
    <td><input type="text" name="fee" value="₹ 1500/-" disabled></td>
</tr>
<tr>
    <td colspan="2">
        <input type="submit" value="Submit">
        <input type="Reset" value="Reset"></td>
</tr>
</table>
</div>
</form>
</div>
</body>
</html>

```

### style.css

```

*{
    margin: 0;
    padding: 0;
    font-family: sans-serif;
}
body{

    background: lightskyblue;
}
.main-container{
    background: snow;
    width: 50%;

```

```
border: 3px solid darkblue;
margin: 50px auto;
border-radius: 10px;
}
.name-container{
padding: 10px 0px;
text-align: center;
}
.data{
width: 100%;
font-size: 15px;
}
select{
width: 85%;
padding: 5px 0px;
}
table{
width: 90%;
margin: 20px auto;
}
td{
padding: 10px 20px;
}
input{
width: 82%;
padding: 5px 0px 5px 10px;
display: inline-block;
}
label{
display: inline-block;
}
input[type="radio"],input[type="checkbox"]{
width: 10%;
display: inline-block;
}
textarea{
width: 350px;
height: 70px;
}
input[type="submit"],input[type="reset"]{
margin: 10px 30px;
width: 40%;
display: inline-block;
padding: 6px 0px;
```



```
font-size: 20px;
border: solid 1px;
border-radius: 10px;
background: white;
color: black;
}
input[type="submit"]:hover{
  cursor:pointer;
  color: white;
  background: green;
}
input[type="reset"]:hover{
  cursor: pointer;
  color: white;
  background: green;
}
```

**OUTPUT:-**

### Registration Form

Select Academic Year:

DOB:

Enter Your Id:

Enter Your Name:

Enter Your Gender: ☒ Male ☐ Female

Enter Your Address:

Subject: ☐ Computer Networks  
☐ Data Structure  
☒ Web Technologies  
☐ Maths

Your Fees:

## LAB 3

**Aim:** Develop a static web page of a Music player using the Following HTML 5.0 tags. Develop XHTML page using DOCTYPE Declaration and use of all Meta tags.

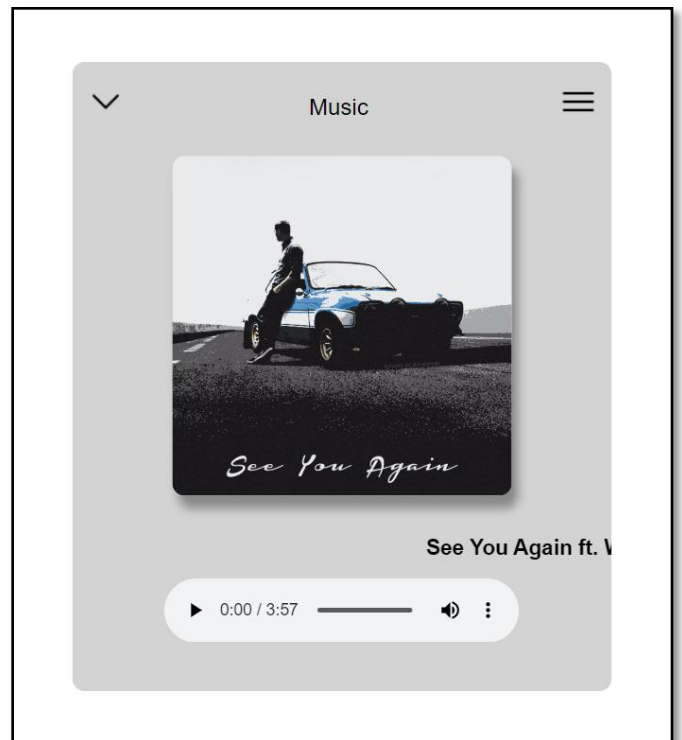
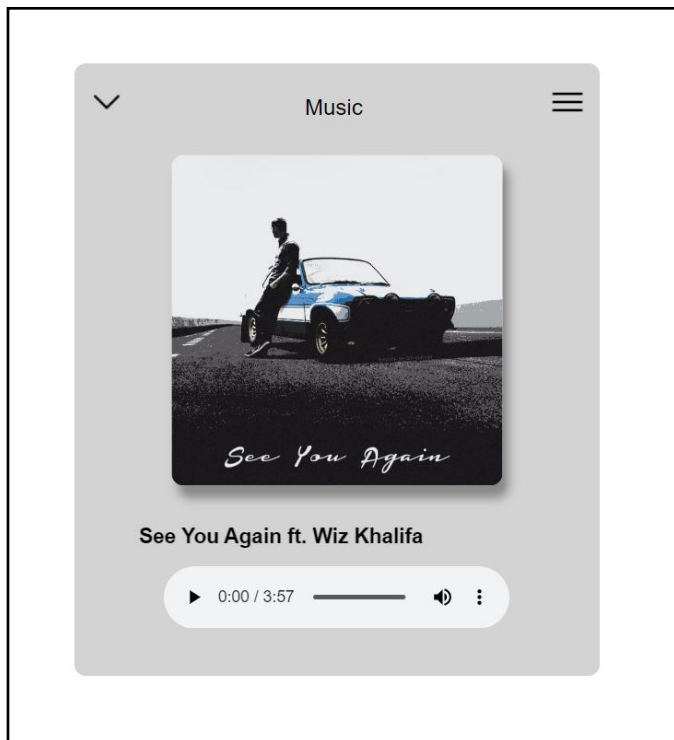
### Pr3.html:-

```
<!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="author" content="Abhishek Nalla">
  <meta name="ID" content="2CP319">
  <link rel="stylesheet" href="style.css">
  <title>Music Player</title>
</head>
<body>
  <div class="back"><br>
    
    
    <div style="font-size: larger; margin-left: 200px;font-weight:
      500;margin-top: 2%;">
      Music
    </div>
    <br><br>
    <div class="zoom">
      
    </div>
    <br><br>
    <div style="font-size: large;">
      <marquee class="text" style="margin-top:auto; margin-bottom: 10px; font-weight: lighter;"
        behavior="scroll"
        scrollamount="4"><b>See
        You Again ft. Wiz Khalifa</b></marquee>
      <audio src="Songs/see-you-again.mp3" controls style="margin-left:
        17%;"></audio>
    </div><br><br>
  </body>
</html>
```

### style.css:-

```
body {  
  font-family: Arial, Helvetica, sans-serif;  
}  
.back {  
  background-color: lightgray;  
  width: 30%;  
  margin: auto;  
  margin-top: 7%;  
  border-radius: 10px;  
}  
.zoom {  
  transition: transform .2s;  
}  
.zoom:hover {  
  transform: scale(1.05); /* (150% zoom - Note: if the zoom is too large, it will go outside of the viewport) */  
}  
.text {  
  z-index: 1px;  
}
```

### OUTPUT:-



## LAB 4

**Aim:** Cascading Style Sheets (CSS): Create Mypage.html using an external style sheet. Adding CSS: External, Internal and Inline.

### MyPage.html:-

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="author" content="Abhishek Nalla">
  <meta name="ID" content="2CP319">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Pr-4</title>
  <link href="style.css" rel="stylesheet">
</head>
<body>
  <div class="main" style="overflow-x: auto;">
    <ul>
      <li><a href="#Home">Home</a></li>
      <li><a href="#CSS">CSS</a></li>
      <li><a href="#JS">JS</a></li>
      <li><a href="#About">About</a></li>
    </ul>
    <div class="text">
      Web Technologies
    </div>
    <div style="overflow-x: auto;">
      <table>
        <caption style="font-weight: bolder; font-size: larger;">Booking Info</caption>
        <tr>
          <th>First Name</th>
          <th>Last Name</th>
          <th>From</th>
          <th>To</th>
          <th>Date</th>
        </tr>
        <tr>
          <td>Abhishek</td>
          <td>Nalla</td>
          <td>SUR</td>
          <td>AND</td>
          <td>02-03-2022</td>
        </tr>
        <tr>
          <td>Abhishek</td>
```

```

        <td>Nalla</td>
        <td>AND</td>
        <td>SUR</td>
        <td>02-02-2023</td>
    </tr>
    <tr>
        <td>Abhishek</td>
        <td>Nalla</td>
        <td>AHM</td>
        <td>CMST</td>
        <td>11-08-2022</td>
    </tr>
</table>

```

```
<div class="content">
```

```
    <b style="font-size: larger;"><u>CSS:</u></b><br>
```

<p>CSS (Cascading Style Sheets) is a programming language used to describe the presentation and formatting <br>of pages. It is used in conjunction with HTML and JavaScript to create responsive and visually <br>appealing web pages.

CSS enables web developers to specify the layout, fonts, colors, and other visual <br>elements of a website, making it easier to create professional-looking designs. By separating the <br>presentation layer from the content layer, CSS allows web designers to make changes to the appearance <br>of a website without affecting the underlying HTML code.

CSS works by defining styles for HTML <br>elements, which can then be applied to specific sections of a web page. Styles can be defined in an <br>external stylesheet file, embedded within the HTML document, or added inline within individual HTML <br>elements.

Some of the key features of CSS include the ability to create responsive designs that adjust to <br>different screen sizes and devices, the use of cascading rules to define how styles are applied to different <br>elements, and the use of selectors to target specific HTML elements.

Overall, CSS is an essential tool <br>for creating modern, attractive, and functional web pages that provide a great user experience.</p>

```
</div><br>
```

```
<footer>
```

```
    <div class="foot">
```

```
        <center>Thanks For Visiting</center>
```

```
    </div>
```

```
</footer>
```

```
</div>
```

```
</div>
```

```
</body>
```

```
</html>
```

### style.css:-

```

ul {
list-style-type: none;
margin: 0;
padding: 0;
overflow: hidden;

```

```
background-color: #333;
}
li {
float: left;
}
li a {
display: block;
color: white;
text-align: center;
padding: 14px 16px;
text-decoration: none;
}
li a:hover {
background-color: #111;
}
table {
border-collapse: collapse;
width: 50%;
margin-top: 15px;
float: right;
margin-right: 20px;
background-color: white;
box-shadow: 5px 10px grey;
}
th, td {
text-align: left;
padding: 8px;
}
tr:nth-child(even) {
background-color: #f2f2f2;
}
.content {
float: left;
margin-top: 15px;
}
footer {
overflow-x: auto;
position: absolute;
bottom: 0;
margin-bottom: 10px;
padding: 0;
background-color: #333;
color: white;
width: 1520px;
}
.foot {
padding: 14px 16px;
font-weight: bolder;
```

```

    font-size: larger;
}
.text {
    font-size: 150%;
    text-align: center;
    margin-top: 15px;
    font-weight: bolder;
}

```

**OUTPUT:-**

[Home](#)
[CSS](#)
[JS](#)
[About](#)

## Web Technologies

### CSS:

CSS (Cascading Style Sheets) is a programming language used to describe the presentation and formatting of pages. It is used in conjunction with HTML and JavaScript to create responsive and visually appealing web pages. CSS enables web developers to specify the layout, fonts, colors, and other visual elements of a website, making it easier to create professional-looking designs. By separating the presentation layer from the content layer, CSS allows web designers to make changes to the appearance of a website without affecting the underlying HTML code. CSS works by defining styles for HTML elements, which can then be applied to specific sections of a web page. Styles can be defined in an external stylesheet file, embedded within the HTML document, or added inline within individual HTML elements. Some of the key features of CSS include the ability to create responsive designs that adjust to different screen sizes and devices, the use of cascading rules to define how styles are applied to different elements, and the use of selectors to target specific HTML elements. Overall, CSS is an essential tool for creating modern, attractive, and functional web pages that provide a great user experience.

First Name	Last Name	From	To	Date
Abhishek	Nalla	SUR	AND	02-03-2022
Abhishek	Nalla	AND	SUR	02-02-2023
Abhishek	Nalla	AHM	CMST	11-08-2022

Activate Windows

Go to Settings to activate Windows.

Thanks For Visiting

127.0.0.1:5500/Pr-4/MyPage.html#Home



## LAB 5

**Aim:** Cascading Style Sheets (CSS) @import CSS, Apply to ordered list, descendant selectors, child selectors, first-line, first-letter:before, after, pseudo elements, positioning and BOX Model.

### index.html:-

```
<!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="author" content="Abhishek Nalla">
  <meta name="ID" content="2CP319">
  <title>Index</title>
  <link rel="stylesheet" href="index_style.css">
</head>
<body>
  <div class="main">
    Title: Web Technologies <br>
    Table of content
  </div>
  <div class="chapters">HTML</div>
  <div class="chapters">CSS
    <div class="w">Introduction</div>
    <div class="w">Types
      <div class="w2">Inline</div>
      <div class="w2">Internal</div>
      <div class="w2">External</div>
    </div>
    <div class="w">Properties
      <div class="w2">Font</div>
    </div>
  </div>
  <div class="chapters">JavaScript
    <div class="w">Introduction</div>
    <div class="w">Variables
      <div class="w2">Declaration</div>
      <div class="w2">Initialization</div>
      <div class="w2">Local and Global</div>
    </div>
  </div>
  <div class="chapters">PHP
    <div class="w">Introduction</div>
    <div class="w">Installation and Set-up
      <div class="w2">Setting Environment variables</div>
      <div class="w2">Configuring PHP version</div>
    </div>
  </div>
</body>
</html>
```

```

</div>
<div class="w">Operators
  <div class="w2">Arithmetic Operators</div>
  <div class="w2">Conditional Operators</div>
  <div class="w2">Logical Operators</div>
  <div class="w2">Bit-wise Operators</div>
  <div class="w2">Concatenation Operators</div>
</div>
<div class="w">Looping Structure
  <div class="w2">While loop</div>
  <div class="w2">For loop</div>
  <div class="w2">Do. While loop</div>
  <div class="w2">For each</div>
</div>
</div>
</body>
</html>

```

**index\_style.css:-**

```

body{
  counter-reset: c1;
}
div{
  margin: 5px;
  font-size: large;
}
.main {
  margin-bottom: 20px;
}
div.chapters::before {
  counter-increment: c1;
  content: "Chapter " counter(c1) ": ";
}
div.chapters{
  counter-reset: c2;
}
div.w::before {
  margin-left: 50px;
  counter-increment: c2;
  content: counter(c1) "." counter(c2) " ";
}
.w{
  counter-reset: c3;
}
div.w2::before{
  margin-left: 100px;
  counter-increment: c3;
}

```

```
content: counter(c1) "." counter(c2) "." counter(c3) " ";  
}
```

### **z-index.css:-**

```
<!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="author" content="Abhishek Nalla">  
  <meta name="ID" content="2CP319">  
  <title>Z-Index</title>  
  <style>  
    section{  
      margin-left: 200px;  
      width: 500px;  
      position: absolute;  
      left: 160px;  
      top: 70px;  
      font-size: medium;  
    }  
    .div1 {  
      width: 150px;  
      height: 150px;  
      position: absolute;  
      padding: 5px 5px;  
      background-color: whitesmoke;  
      left: 20px;  
      top: 20px;  
      z-index: 1;  
      border-radius: 5px;  
    }  
    .div2{  
      width: 200px;  
      height: 200px;  
      position: absolute;  
      padding: 5px 5px;  
      background-color: whitesmoke;  
      left: 40px;  
      top: 40px;  
      z-index: 2;  
      border-radius: 5px;  
    }  
    .div3{  
      width: 250px;  
      height: 250px;
```

```

    position: absolute;
    padding: 5px 5px;
    background-color: whitesmoke;
    left: 60px;
    top: 60px;
    z-index: 3;
    border-radius: 5px;
}
#box1{
    left: 0%;
    right: 30%;
    margin-top: 100px;
    margin-left: 50px;
    position: absolute;
    height: auto;
}
.title {
    background-color: whitesmoke;
    text-align: center;
    height: 20px;
    font-weight: bolder;
    font-size: larger;
    border-radius: 5px;
}
</style>
</head>
<body style="background-color: lightgrey;">
  <div class="title">
    Z-Index
  </div>
  <section>
    <div id="box1">
      <div class="div1">
        <b>CSS</b> (Cascading Style Sheets) is a programming language used to describe the presentation and
        formatting of web pages.
      </div>
      <div class="div2">
        <b>JavaScript</b> is a client-side scripting language used primarily to create dynamic and interactive
        web pages.
        It is one of the core technologies of the World Wide Web and is supported by all modern web browsers.
      </div>
      <div class="div3">
        <b>PHP</b> (Hypertext Preprocessor) is a server-side scripting language used to develop dynamic web
        applications and websites.
        It is a popular choice for web developers because of its ease of use, versatility, and ability to integrate
        with other
        technologies. <br>PHP supports a wide range of platforms and web servers, and can be used with
        different databases

```

such as MySQL, PostgreSQL, and SQLite. It also has a large and active community of developers.

&lt;/div&gt;

&lt;/div&gt;

&lt;/section&gt;

&lt;/body&gt;

&lt;/html&gt;

**OUTPUT:-**

**Index.html**

- Title: Web Technologies
- Table of content
- Chapter 1: HTML
- Chapter 2: CSS
  - 2.1 Introduction
  - 2.2 Types
    - 2.2.1 Inline
    - 2.2.2 Internal
    - 2.2.3 External
  - 2.3 Properties
    - 2.3.1 Font
- Chapter 3: JavaScript
  - 3.1 Introduction
  - 3.2 Variables
    - 3.2.1 Declaration
    - 3.2.2 Initialization
    - 3.2.3 Local and Global
- Chapter 4: PHP
  - 4.1 Introduction
  - 4.2 Installation and Set-up
    - 4.2.1 Setting Environment variables
    - 4.2.2 Configuring PHP version
  - 4.3 Operators
    - 4.3.1 Arithmetic Operators
    - 4.3.2 Conditional Operators
    - 4.3.3 Logical Operators
    - 4.3.4 Bit-wise Operators
    - 4.3.5 Concatenation Operators
  - 4.4 Looping Structure
    - 4.4.1 While loop
    - 4.4.2 For loop
    - 4.4.3 Do. While loop
    - 4.4.4 For each

Activate Windows  
Go to Settings to activate Windows.

## z-index.html

