GANPAT UNIVERSITY
U.V. PATEL COLLEGE OF ENGINEERING B. TECH 1ST SEMESTER CE/IT/CE-AI 2ES1109: BASICS OF WEB TECHNOLOGY

Practical - 6

AIM: To Learn CSS Border, Margin, Padding, Image Opacity and DIV-SPAN Tags.

PRACTICAL 6.1:

1. Use the following properties of CSS:
- **Table and properties**
- **Caption-side property**
- **Border Properties**
- **Margins and padding**
- **Pseudo Class**

Apply CSS (EXTERNAL CSS) to the HTML page with the table structure as given below to have it designed and obtain the output as shown below.

HTML CODE:

```
<html>
<head>
   <title>P6.1</title>
   <link rel="stylesheet" href="P6.1.css" \>
</head>
<body>
   <div>
      <h1>Educational Qualification</h1>
      <hr color="pink" size="5px" \>
      <table>
         <caption>Educational Details</caption>
         <thead>
            <tr>
               <th rowspan="2">Sr. No</th>
```

```
            <th rowspan="2">Degree</th>
            <th rowspan="2">School Name/College Name</th>
            <th rowspan="2" colspan="2">University/Board/Year Of Passing</th>
            <th colspan="2">Results</th>
         </tr>
         <tr>
            <th>Percentage</th>
            <th>Grade</th>
         </tr>
      </thead>
      <tbody>
         <tr>
            <td>1.</td>
            <td>10th</td>
            <td>Ganpat University</td>
            <td>Ganpat University</td>
            <td>2017</td>
            <td>80</td>
            <td>Distinction</td>
         </tr>
         <tr>
            <td>2.</td>
            <td>12th</td>
            <td>Ganpat University</td>
            <td>Ganpat University</td>
            <td>2019</td>
            <td>80</td>
            <td>Distinction</td>
         </tr>
         <tr>
            <td>3.</td>
            <td>B.E CE</td>
            <td>Ganpat University</td>
            <td>Ganpat University</td>
            <td>2020</td>
            <td></td>
            <td></td>
         </tr>
      </tbody>
   </table>
```

```
    </div>
</body>
</html>
```

CSS CODE:

```
table,th,td{
    border: 2px solid blue;
    border-collapse: collapse;
    text-align: center;
    color: green;
    caption-side: bottom;
    padding: 5px;
    margin-top: 50px;
}
th:nth-child(even){
    background-color: purple;
}
tbody tr:first-child{
    background-color: red;
}
tbody td:nth-child(odd){
    background-color: olive;
}
thead th:hover, caption:hover{
    background-color:lightcoral;
}
div{
    border: 2px solid black;
    width: fit-content;
    padding: 4px;
    margin: 200px;
}
```

OUTPUT:

Educational Qualification

Sr. No	Degree	School Name/College Name	University/Board/Year Of Passing		Results	
					Percentage	Grade
1.	10th	Ganpat University	Ganpat University	2017	80	Distinction
2.	12th	Ganpat University	Ganpat University	2019	80	Distinction
3.	B.E CE	Ganpat University	Ganpat University	2020		

Educational Details

PRACTICAL 6.2:

2. Use the below listed properties of CSS and generate the output as given.
● **List Properties**
● **Div Properties**
● **font Properties**
● **Margins and padding Page**
● **Background and Properties**

HTML CODE:

```
<html>
<head>
   <title>P6.2</title>
   <style>
     #main{
        background-color: blanchedalmond ;
        font-style: italic;
        width: max-content;
        margin: 10px;
        height:460px;
     }
     #image{background-image: url(pizza.png);
         background-size: 250px;
         background-position: right;
         background-repeat: no-repeat;
         margin:20px;
         width: 1200px;
         height: 350PX;
         border: 4px solid green;
         padding: 10px;
        }
     #Header{
         border: 4px solid red;
         width: 700px;
         height: 35px;
         text-align: center;
         color: tomato;
         font-size: xx-large;
            }
```

```html
        h2{border: 3px solid blue; width: 945px; color: tomato;}
        .list{background-color: #F1C9F9; width: 920px; color:green; font-weight: bolder;}
        ul{list-style-image: url(right-arrow.png); color: orange;}
    </style>
</head>
<body>
    <div id="main">
        <center><div id="Header">Favourite Pizzas</div></center>
        <div>
            <div id="image">
                <h2>Simply Veg</h2>
                <ul>
                    <li class="list">Garden Delight</li>
                        <ul><li>Onion-Tomato-Capsicum</li></ul>
                    <li class="list">Sweet Decade</li>
                        <ul><li>Sweet Cheese-Pineapple-Capsicum</li></ul>
                </ul>
                <h2>Premiun veg</h2>
                <ul>
                    <li class="list">Cheszy-7</li>
                        <ul><li>White Mozarella-Cream White Cheese-Onion Capsicum
Cheese</li></ul>
                    <li class="list">Garden Special</li>
                        <ul><li>Onion-Fresh Tomato-Capsicum-Mexican</li></ul>
                    <li class="list">Paneer Tikka Butter Masala</li>
                        <ul><li>Exotic Paneer Tikka-Onion-Capsicum-Tikka Peppers</li></ul>
                </ul>
            </div>
        </div>
    </div>
</body>
</html>
```

OUTPUT :

Favourite Pizzas

Simply Veg

- *Garden Delight*
  - *Onion-Tomato-Capsicum*
- *Sweet Decade*
  - *Sweet Cheese-Pineapple-Capsicum*

Premiun veg

- *Cheszy-7*
  - *White Mozarella-Cream White Cheese-Onion Capsicum Cheese*
- *Garden Special*
  - *Onion-Fresh Tomato-Capsicum-Mexican*
- *Paneer Tikka Butter Masala*
  - *Exotic Paneer Tikka-Onion-Capsicum-Tikka Peppers*

PRACTICAL 6.3:

3.Create HTML and CSS file to demonstrate a simple image gallery with opacity hover effects using HTML and CSS. By the end of this exercise, you should be able to:
● **Understand the basic structure of an HTML document.**
● **Create a responsive image gallery layout using CSS.**
● **Apply the CSS opacity property to create hover effects on images.**
● **Implement captions for images that appear on hover.**

HTML CODE:

```html
<html>
<head>
  <title>Simple Image Gallery</title>
  <link rel="stylesheet" href="P6.3.css" \>
</head>
<body>
  <div class="gallery">
    <div class="gallery-item">
      <img src="image1.jpg" alt="Image 1">
    </div>
    <div class="gallery-item">
      <img src="image2.jpg" alt="Image 2">
    </div>
    <div class="gallery-item">
      <img src="image3.png" alt="Image 3">
    </div>
    <div class="gallery-item">
      <img src="image4.jpeg" alt="Image 4">
    </div>
  </div>
</body>
</html>
```

CSS CODE:

```css
body {
    font-family: Arial, sans-serif;
    margin: 0;
    padding: 20px;
```

```css
    background-color: #f4f4f4;
}

h1 {
    text-align: center;
}

.gallery {
    display: flex;
    flex-wrap: wrap;
    justify-content: center;
}

.gallery-item {
    position: relative;
    margin: 10px;
    overflow: hidden;
}

.gallery-item img {
    width: 200px;
    height: 150px;
    transition: opacity 0.5s ease;
}

.gallery-item:hover img {
    opacity: 0.7;
}
```

OUTPUT: