**Module (CSS and CSS 3) -2**

**Q-1 : What are the benefits of using CSS?**

**Ans. :** 1) Faster Page Speed. More code means slower page speed.

2) Better User Experience. CSS not only makes web pages easy on the eye, it also allows for user-friendly formatting.

3) Quicker Development Time.

4) Easy Formatting Changes.

5) Compatibility Across Devices.

**Q-2 : What are the disadvantages of CSS?**

**Ans. :** •Confusion due to many CSS levels. Beginners are more vulnerable to this issue.

•Cross-Browser Issues. Different browsers work differently.

•Security Issues. Security is important in today's world driven by technology and data.

•Extra Work for Developers.

**Q-3 : What is the difference between CSS2 and CSS3?**

**Ans. :** Unlike CSS2, which was comprised of a single document, CSS3 has its specifications divided into many individual modules, which makes CSS3 a whole lot easier to handle. With CSS3, the designers can now use special fonts.

**Q-4 : Name a few CSS style components.**

**Ans. :**

* font-size.

**Ex :**

h1 {  
   font-size: 40px;  
}

* width.

**Ex:**

div {  
  width: 50%;  
}

**Ex:**

body {  
   background-color: Aqua;  
}

* color.

**Ex:**

<h1 style="color : aqua;">Hello World</h1>

* Border.

**Ex:**

p {  
  border: 5px solid red;  
}

**Q-5 : What do you understand by CSS opacity?**

**Ans. :** Opacity is the degree to which content behind an element is hidden, and is the opposite of transparency.

**Ex:**

.one {  
  opacity: 0.1;  
}

**Q-6 : How can the background color of an element be changed?**

**Ans. :** use the CSS background-color property. Set it to the color name or code you want and place it inside a style attribute. Then add this style attribute to an HTML element, like a table, heading, div, or span tag.

**Ex:**

**<**Style>

Div{

Background-color : coral;

}

</style>

**Q-7 : How can image repetition of the backup be controlled?**

**Ans. :** the background-repeat property that will help us to control the repetition of the image.

**Ex:**

Body{

Background-repeat : no-repeat;

}

**Q-8 : What is the use of the background-position property?**

**Ans. :** The background-position property sets the starting position of a background image. Tip: By default, a background-image is placed at the top-left corner of an element, and repeated both vertically and horizontally.

**Ex:**

Body{

background-position : center;

}

**Q-9 : Which property controls the image scroll in the background?**

**Ans. :** The background-attachment property sets whether a background image scrolls with the rest of the page, or is fixed.

**Ex:**

Body{

background-attachment : fixed;

}

**Q-10 : Why should background and color be used as separate properties?**

**Ans. :** background is a shorthand property that allows you to set all the background properties in one line. On the other hand, background-color property sets the color of the background of an element.

**Ex:**

body {  
   background-color: Aqua;//color in background

color: red; //color on text  
}

**Q-11 : How to center block elements using CSS1?**

**Ans. :** To centrally align the block elements, we can simply make use of the <center> tag.

**Ex:**

<h1><center> Welcome to CSS</center></h1>

**Q-12 : How to maintain the CSS specifications?**

**Ans. :** The CSS specifications are maintained by the World Wide Web Consortium (W3C).

**Q-13 : What are the ways to integrate CSS as a web page?**

**Ans. :** 1. Inline - by using the style attribute inside HTML elements.

2. Internal - by using a <style> element in the <head> section.

3. External - by using a <link> element to link to an external CSS file.

**Example:**

**inline css :**

<p style=”color:red;”> hello world </p>

**Internal css:**

<html>

<head>

<style>

H1{

Color: red;

}

</style>

</head>

<body>

<h1>hello world</h1>

</body>

</html>

**External css:**

<html>

<title>hello</title>

<head>

<link rel=”stylesheet” href=”my.css”>

</head>

</html>

**Q-14 : What is embedded style sheets?**

**Ans. :**  An embedded style sheet is declared within the <head> element of an XHTML document.

**Ex:**

<head>

    <title>Page Title</title>

    <!-- Embedded stylesheet -->

    <style>

        h2 {

            font-size: 1.5rem;

            color: #2f8d46;

            text-align: center;

        }

        p {

            font-variant: italic;

        }

    </style>

</head>

**Q-15 : What are the external style sheets?**

**Ans. :** An external style sheet is a file with a . css extension that contains cascading style sheet (CSS) definitions for a webpage(s).

**External css:**

<html>

<title>hhh</title>

<head>

<link rel=”stylesheet” href=”my.css”>

</head>

</html>

**Q-16 : What are the advantages and disadvantages of using external style sheets?**

**Ans. : The advantages of External Style Sheets are as follows :**

• With the help of External Style Sheets, the styles of numerous documents can be organized from one single file.

• In External Style Sheets, Classes can be made for use on numerous HTML element types in many forms of the site.

• In complex contexts, Methods like selector and grouping can be implemented to apply styles.

**The disadvantages of External Style Sheets are as follows :**

• An extra download is essential to import style information for each file.

• The execution of the file may be deferred till the external style sheet is loaded.

• While implementing style sheets, we need to test Web pages with multiple browsers in order to check compatibility issues.

**Q-17 : What is the meaning of the CSS selector?**

**Ans. :** CSS selectors are used to "find" (or select) the HTML elements you want to style.

**Ex:**

1. **ID Selector:**

#para1 {  
   text-align: center;  
   color: red;  
}

1. **Class Selector:**

.one {  
  text-align: center;  
  color: red;  
}

1. **Element Class Selector:**

p.one {  
  text-align: center;  
  color: red;  
}

**4.   Universal Selector:**

\* {  
   text-align: center;  
   color: blue;  
}

**5. Group Selector:**

h1, h2, p {  
  text-align: center;  
   color: red;  
}

**Q-18 : What are the media types allowed by CSS?**

**Ans. :**

* All - Suitable for all devices.
* Print -Intended for paged material and documents viewed on a screen in print preview mode.
* Screen - Intended primarily for screens.

**Q-19 : What is the rule set?**

**Ans. :** A table of instructions used by a controlled interface to determine what data is allowable and how the data is handled between interconnected systems.

**Q-20 : Create Layouts.**

**Ans. :** <!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

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

    <title>Document</title>

    <style>

        .main{

            background-color: rgb(229, 233, 236);

            height: 650px;

            display: flex;

            flex-direction: column;

            justify-content: center;

            align-items: center;

            justify-content: space-evenly;

            flex-wrap: wrap;

        }

        .box{

            height: 300px;

            width: 400px;

            background-color: rgb(255, 255, 255);

            border: 1px solid black;

        }

        .head{

            height: 170px;

            background-color: rgb(114, 114, 122);

            color: white;

            font-size: large;

            display: flex;

            align-items: center;

            justify-content: center;

        }

        .footer{

            height: 130px;

            margin: 0px 20px 0px 20px;

        }

    </style>

</head>

<body>

    <div class="main">

        <div class="box">

            <div class="head">Thumbnail</div>

            <div class="footer">

                <p>Lorem ipsum dolor sit, amet consectetur adipisicing elit. Nam eaque reiciendis provident incidunt, exercitationem dolore sequi consectetur, quas laboriosam vel sapiente, aperiam repellendus? Voluptatem, dolore. Nam autem mollitia debitis harum.</p>

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                <button>Edit</button>

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        </div>

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                <button>View</button>

                <button>Edit</button>

            </div>

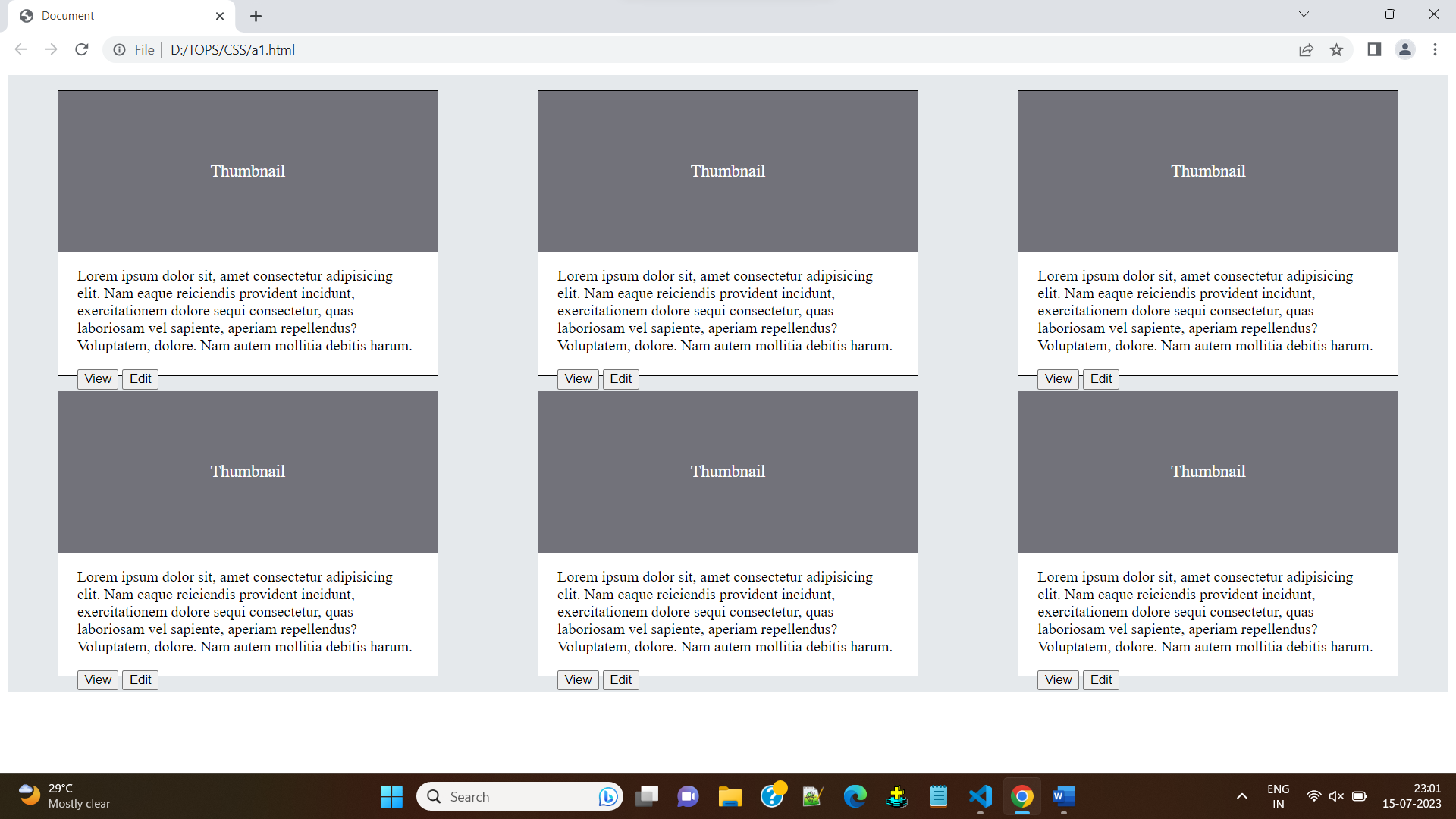
        </div>

    </div>

</body>

</html>

**Output :**

****