MODULE:2(CSS AND CSS3)

1) What are the benefits of using CSS?
ANS:
- Improved site maintainability
- Improved Accessibility
- Improved Download speed
- Saves the time
- Supports multiple browsers

2) What are the disadvantages of CSS?
ANS:
- Limited Security
- Extra work for developers
- Confusion due to many css version

3) What is the difference between CSS2 and CSS3?
ANS:
- Responsive design is not supported in css but it supported in css3.
- Css does not support media querry but css3 is supported.
- New features of css3:
1. psudo-elements= ::first-letter , ::first-line , ::after , ::before
2. Border-style=border-radius , image source
3. Background Style Properties = background-clip

4) Name a few CSS style components
ANS:
- Selector: element , id , class.
- Property : It's like background color,font-size,position,text-align,color,border,etc.

5) What do you understand by CSS opacity?
ANS:
The opacity property sets the opacity level for an element.
For example,

```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">
    <title>Document</title>
</head>
<style>
    img {
        opacity: 0.4
    }
</style>
<body>
    <img src="img/myphoto.JPG" alt="">
</body>
</html>
```
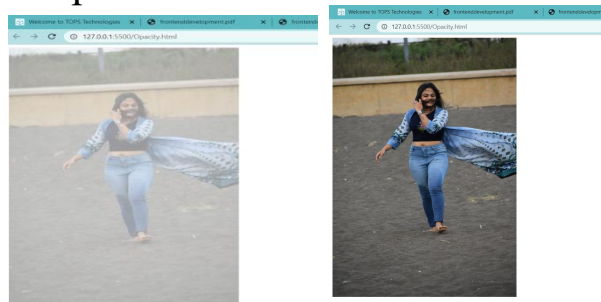
Output:

Opacity=0.4   opacity=1

6) How can the background color of an element be
changed?

ANS:

We can use css property = background-color:red;

7) How can image repetition of the backup be controlled?

ANS:

Use repeat property

➢ background-repeat:repeat;
➢ background-repeat:repeat-x;

➢ background-repeat:repeat-y;
➢ background-repeat:no repeat;

8) What is the use of the background-position property?
ANS:
The background-position property sets the starting position of a background image.
Property=background-position:center;

9) Which property controls the image scroll in the background?
ANS:
background-attachment: scroll;

10) Why should background and color be used as separate properties?
ANS:
➢ The background-color property sets the background color of an element.
➢ The color property specifies the color of text.

11) How to center block elements using CSS1?
ANS: margin:auto;
Text-align:center;

12) How to maintain the CSS specifications?
ANS: Specification specify hoe stylesheets can be included in your web document and how to target specific media.

13) What are the ways to integrate CSS as a web page?
ANS:
There are three ways:
➢ INLINE :by using the style attribute inside HTML elements.
➢ INTERNAL: by using the <style> element in the <head> section.
➢ EXTERNAL: by using a <link> element to link to external css file.

14) What is embedded style sheets?
ANS:
This is done by embedding the **<style></style>** tags containing the CSS properties in the head of your document.

15) What are the external style sheets?
ANS: External styles are defined within the <link> element, inside the <head> section of an HTML page:

16) What are the advantages and disadvantages of using external style sheets?
ANS:
Advantages:
You can use .css file for multiple pages.
Disadvantage:
Uploading to multiple css files can increase your site's download time.

17) What is the meaning of the CSS selector?
ANS:
A CSS selector selects the HTML elements you want to style.
Example: class,id,universal grouping,generic,attribute

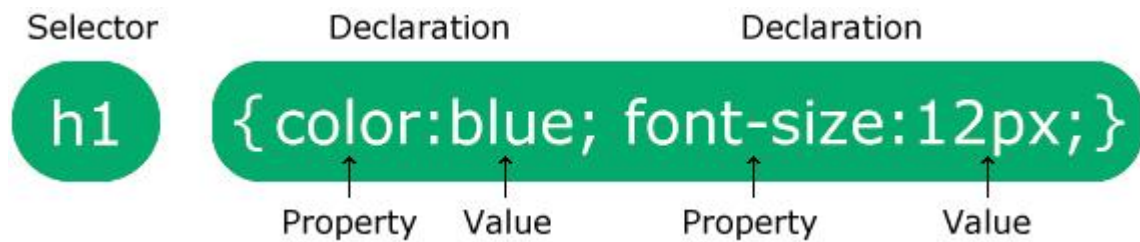18) What are the media types allowed by CSS?
ANS:
media types:
➢ all - suitable for all devices.
➢ Tv - intended for television-type devices.

19) What is the rule set?
ANS:
A CSS rule set **contains one or more selectors and one or more declarations**.

Selector   Declaration   Declaration

h1   { color:blue; font-size:12px;}

Property Value   Property   Value

20)Create Layouts

Ans:

```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">
    <title>Document</title>
</head>
<style>
    .border {
        border: 1px solid black;
        width: 1030px;
    }

    .container {
        display: flex;
        margin: auto;
        margin-top: 20px;
    }

    .container1 {
        height: 160px;
        width: 300px;
        background-color: grey;
        border: 1px solid black;
        color: aliceblue;
        line-height: 160px;
        font-size: 20px;
        text-align: center;
```

```css
      margin-left: 30px;
}

.container2 {
   height: 160px;
   width: 300px;
   background-color: grey;
   border: 1px solid black;
   color: aliceblue;
   text-align: center;
   font-size: 20px;
   line-height: 160px;
   margin-left: 30px;
}

.container3 {
   height: 160px;
   width: 300px;
   background-color: grey;
   border: 1px solid black;
   color: aliceblue;
   line-height: 160px;
   text-align: center;
   font-size: 20px;
   margin-left: 30px;
}

table,
td {
   border: 1px solid black;
   border-collapse: collapse;
}

.box {
   display: flex;
   margin-bottom: 20px;
}
```

```css
.box1 {
    height: 140px;
    width: 300px;
    border: 1px solid black;
    margin-left: 30px;
}

.box1 p,
table {
    margin-left: 10px;
}

.box2 p {
    margin-left: 10px;
}

.box3 p {
    margin-left: 10px;
}

.box2 {
    height: 140px;
    width: 300px;
    border: 1px solid black;
    margin-left: 30px;
}

.box3 {
    height: 140px;
    width: 300px;
    border: 1px solid black;
    margin-left: 30px;
}

.part2 {
    margin-top: 10px;
```

```html
        }
    </style>

    <body>
        <div class="border">
            <div class="part1">
                <div class="container">
                    <div class="container1">
                        Thumbnail
                    </div>
                    <div class="container2">
                        Thumbnail
                    </div>
                    <div class="container3">
                        Thumbnail
                    </div>
                </div>
                <div class="box">
                    <div class="box1">
                        <p>This is the wider card with supporting text
below as a natural lead into additional content. Thia content is
little bit longer.</p>
                        <table>
                            <tr>
                                <td>view</td>
                                <td>edit</td>
                            </tr>
                        </table>
                    </div>
                    <div class="box2">
                        <p>This is the wider card with supporting text
below as a natural lead into additional content. Thia content is
little bit longer.</p>
                        <table>
                            <tr>
                                <td>view</td>
                                <td>edit</td>
```

```html
            </tr>
          </table>
        </div>
        <div class="box3">
          <p>This is the wider card with supporting text
below as a natural lead into additional content. Thia content is
little bit longer.</p>
          <table>
            <tr>
              <td>view</td>
              <td>edit</td>
            </tr>
          </table>
        </div>
      </div>
    </div>
    <div class="part2">
      <div class="container">
        <div class="container1">
          Thumbnail
        </div>
        <div class="container2">
          Thumbnail
        </div>
        <div class="container3">
          Thumbnail
        </div>
      </div>
      <div class="box">
        <div class="box1">
          <p>This is the wider card with supporting text
below as a natural lead into additional content. Thia content is
little bit longer.</p>
          <table>
            <tr>
              <td>view</td>
              <td>edit</td>
```

```html
                </tr>
            </table>
        </div>
        <div class="box2">
            <p>This is the wider card with supporting text
below as a natural lead into additional content. Thia content is
little bit longer.</p>
            <table>
                <tr>
                    <td>view</td>
                    <td>edit</td>
                </tr>
            </table>
        </div>
        <div class="box3">
            <p>This is the wider card with supporting text
below as a natural lead into additional content. Thia content is
little bit longer.</p>
            <table>
                <tr>
                    <td>view</td>
                    <td>edit</td>
                </tr>
            </table>
        </div>
    </div>
    </div>
</div>
</body>

</html>
```

Output:

Thumbnail

Thumbnail

Thumbnail

This is the wider card with supporting text below as a natural lead into additional content. Thia content is little bit longer.

view edit

This is the wider card with supporting text below as a natural lead into additional content. Thia content is little bit longer.

view edit

This is the wider card with supporting text below as a natural lead into additional content. Thia content is little bit longer.

view edit

Thumbnail

Thumbnail

Thumbnail

This is the wider card with supporting text below as a natural lead into additional content. Thia content is little bit longer.

view edit

This is the wider card with supporting text below as a natural lead into additional content. Thia content is little bit longer.

view edit

This is the wider card with supporting text below as a natural lead into additional content. Thia content is little bit longer.

view edit