

Web Designing Assignment Term-1

Module (CSS and CSS 3) -2

• What are the benefits of using CSS? •

With CSS, you can control the color, font, the size of text, the spacing between elements, how elements are positioned and laid out, what background images or background colors are to be used, different displays for different devices and screen sizes, and much more!

• What are the disadvantages of CSS? •

1. Come in different levels

There's CSS, CSS 1 up to CSS3, which has resulted in confusion among developers and web browsers. One type of CSS should be enough. It would be preferable than having to choose which CSS level to use.

2. Fragmentation

With CSS, what works with one browser may not always work with another. This is why web developers have to test for compatibility, running the program across multiple browsers before a website is set live. If only people use Mozilla or Chrome, but they don't.

3. Lack of security

Because it is an open text-based system, CSS doesn't have the built-in security that will protect it from being overridden. Anyone who has a read/write access to a website can change the CSS file, alter the links or disrupt the formatting, whether by accident or design.

• What are the difference between CSS2 and CSS3? •

→ CSS2

CSS2, which was comprised of a single document, In CSS2, the developers had difficulty because the standard was not equipped with automatically breaking the text so that it fits within a box.

→ CSS3

With CSS3, the designers can now use special fonts, like those available in Google Fonts and Typecast. Earlier with CSS and CSS2, designers could only use "web-safe-fonts" for being 100% sure to use fonts that would always display the same on every machine.

• Name a few CSS Style Component •

1. Height : To set the Height of the Element.
2. Width : To Set the Width of the Element.
3. Border : To Set the Border of the Element, with Color & Background.
4. Margin : To Set Margin of the Element From Left, Right, Top, Bottom

• What do you understand by CSS opacity? •

```
div {  
  opacity: 0.4;  
}
```

It shows Transperancy of elements

Opacity value is between 0 and 1

When opacity value is near 1 it is dark and when opacity near 0 its transparent

• How can the background color of an element be changed? •

Background color of an element can be changed through Color Property.
For Ex.

```
<style>
```

```
h1{  
  Font Size: 39px;  
  Font Family : Helvetica;  
  Color: Red;  
}
```

```
</style>
```

• How can image repetition of the backup be controlled? •

When any image size is smaller than div height then this image show one or more than one time at this level

we can use - **no – repeat property**, to control image repeat

```
background-repeat : no-repeat;
```

```
background-repeat: repeat-x;
```

```
background-repeat: repeat-y;
```

```
background-repeat: round;
```

```
background-repeat: space;
```

```
background-repeat: unset;
```

• What is the use of the background-position property? •

The background-position CSS property sets the initial position for each background image. The position is relative to the position layer set by background-origin.

background-position : top ;

background- position : bottom;

background- position : center ;

background- position : left ;

background- position : right ;

background- position : 50 px ;

• Which property controls the image scroll in the background? •

The background attachment property controls the image scroll in the background.

For Ex.

```
<style>
  body {
    background-image: url('/css/images/css.jpg');
    background-repeat: no-repeat;
    background-attachment: fixed;
    background-attachment: scroll;
  }.
</style>
```

• Why should background and color be used as separate properties? •

Background use for body background color and color is use for give color of text

For Ex.

```
<style>
  H1 {
    font-family : Arial;
    background-color: red;
    color: yellow
  }.
</style>
```

Hello I'm Nisar

• How to center block elements using CSS1? •

Use “text align center” To Center block element using CSS1.

For Ex.

```
<style>
  H1 {
    font-family : Arial;
    text-align:center;
  }.
</style>
```

• How to maintain the CSS specifications? •

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

• What are the ways to integrate CSS as a web page? •

CSS may be added to HTML in three different ways.

To style a single HTML element on the page, use Inline CSS in a style attribute.

By adding CSS to the head section of our HTML document, we can embed an internal stylesheet. We can also connect to an external stylesheet that separates our CSS from our HTML.

For Ex.

INLINE : <H1 style=color “red”>Hello I’m Nisar </H1>

INTERNAL : <head>
 <style>
 h1{
 color: red;
 }
 </style>
</head>

EXTERNAL : Separate File .CSS Extension.
 <link rel="stylesheet" href="Templates.css"> in head portion.

• What is embedded style sheets? •

An embedded style sheet is declared within the <head> element of an HTML document. It applies to the whole document, rather than just one element. Each style declaration (or CSS rule) gets applied to everything in the document that matches that rule.

For Ex

```
<style>
  p {
    font-family: georgia, serif;
    font-size: x-small;
  }
  hr {
    color: #ff9900;
    height: 1px;
  }
  a:hover {
    color: #ff0000;
    text-decoration: none;
  }
</style>
```

• What are the external style sheets? •

An external style sheet is a separate file with a .css extension with all CSS style definitions for the HTML page(s). You can reference this file in the <link> tag inside the <head> in the HTML, as shown here:

For Ex

```
<html>

<head>

<title>My webpage</title>

<link rel='stylesheet' type='text/css' href='mystyles.css'>

</head>
```

• What are the advantages and disadvantages of using external style sheets? •

The advantages of External Style Sheets are:

- Using them, the styles of multiple documents can be controlled from one file.
- Classes can be created for use on multiple HTML element types in many documents.
- In complex situations, selector and grouping methods can be used to apply styles.

The disadvantages of External Style Sheets are:

- In order to import style information for each document, an extra download is needed.
- Until the external style sheet is loaded, it may not be possible to render the document.
- For small number of style definitions, it is not viable.

• What is the meaning of the CSS selector? •

A CSS selector is the first part of a CSS Rule.

It is a pattern of elements and other terms that tell the browser which HTML elements should be selected to have the CSS property values inside the rule applied to them.

In CSS there are five type of selector

- 1.group h1 , h2 , h3{}
- 2.single h1{}
- 3.universal *{}
4. class .one{}
- 5.id #one{}

• What are the media types allowed by CSS? •

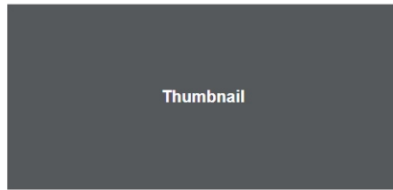
320px — 480px: Mobile devices.
481px — 768px: iPads, Tablets.
769px — 1024px: Small screens, laptops.
1025px — 1200px: Desktops, large screens.
1201px and more — Extra large screens, TV
Media types is allowed by the css

width and height of the viewport
width and height of the device
orientation (is the tablet/phone in landscape or portrait mode?)
resolution

• What is the rule set? •

A rule or “rule set” is a statement that tells browsers how to render particular elements on an HTML page.
A rule set consists of a selector followed by a declaration block.

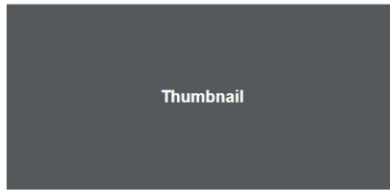
Layouts



Thumbnail

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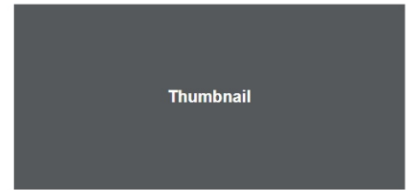
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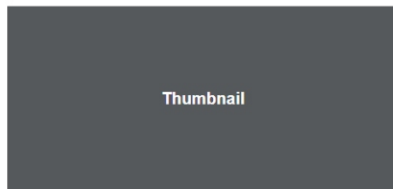
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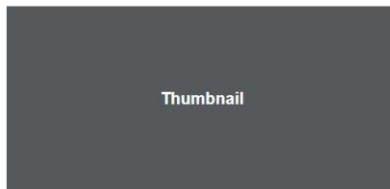
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Thumbnail

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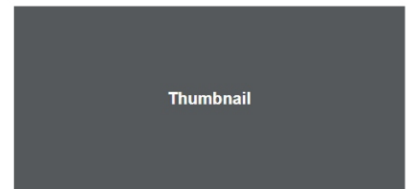
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Codes

```
<!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>
```

```
  <style>
```

```
    .main {
```

```
      height: 700px;
```

```
      width: 90%;
```

```
      /* background-color: blueviolet; */
```

```
      margin-left: 5%;
```

```
    }
```

```
    .top {
```

```
      height: 350px;
```

```
      width: 100%;
```

```
      /* background-color: chocolate; */
```

```
      display: flex;
```

```
    }
```

```
    .bottom {
```

```
      height: 350px;
```

```
      width: 100%;
```

```
      /* background-color: rgb(78, 30, 210); */
```

```
      display: flex;
```

```
    }
```

```
.container {
  height: 340px;
  width: 380px;
  /* background-color: brown; */
  margin: auto;
}

.thub {
  height: 180px;
  width: 100%;
  background-color: #55595c;
  align-items: center;
  justify-content: center;
  position: relative;
  display: flex;
}

.container1 {
  height: 340px;
  width: 380px;
  /* background-color:green; */
  margin: auto;
}

font {
  font-family: arial;
  font-weight: bolder;
  color: white;
}

p {
  text-align: justify;
  font-family: arial;
  font-size: small;
}

.container input {
  align-content: center;
  margin-left: 10px;
}
</style>
```



```
</head>
```

```
<body>
```

```
  <!-- Main Container Start -->
```

```
  <div class="main">
```

```
    <!-- main top container start -->
```

```
    <div class="top">
```

```
      <div class="container">
```

```
        <!-- first thubnail box start -->
```

```
          <div class="thub">
```

```
            <font> Thumbnail </font>
```

```
          </div>
```

```
          <p> Lorem ipsum dolor sit, amet consectetur adipisicing elit. Veritatis, maiores. Dolore hic delectus in obcaecati consequuntur veritatis, distinctio iure corrupti. Quibusdam optio, voluptatibus, voluptate minus harum voluptates ipsam officia quod amet officiis ex voluptas in?</p>
```

```
            <input type="button" value="View" style="margin-left: 130px;">
```

```
            <input type="button" value="Edit">
```

```
          </div>
```

```
        <!-- first thubnail box end -->
```

```
        <!-- second thubnail box start -->
```

```
        <div class="container">
```

```
          <div class="thub">
```

```
            <font> Thumbnail </font>
```

```
          </div>
```

```
          <p> Lorem ipsum dolor sit, amet consectetur adipisicing elit. Veritatis, maiores. Dolore hic delectus in obcaecati consequuntur veritatis, distinctio iure corrupti. Quibusdam optio, voluptatibus, voluptate minus harum voluptates ipsam officia quod amet officiis ex voluptas in?</p>
```

```
            <input type="button" value="View" style="margin-left: 130px;">
```

```
            <input type="button" value="Edit">
```

```
          </div>
```

```
        <!-- second thubnail box end -->
```

```
        <!-- third thubnail box start -->
```

```
        <div class="container">
```

```
          <div class="thub">
```

```
            <font> Thumbnail </font>
```

```
          </div>
```

```
          <p> Lorem ipsum dolor sit, amet consectetur adipisicing elit. Veritatis, maiores. Dolore hic delectus in obcaecati consequuntur veritatis, distinctio iure corrupti. Quibusdam optio, voluptatibus, voluptate minus harum voluptates ipsam officia quod amet officiis ex voluptas in?</p>
```

```
            <input type="button" value="View" style="margin-left: 130px;">
```

```
            <input type="button" value="Edit">
```

```
          </div>
```

```
        <!-- third thubnail box end -->
```

```
        </div>
```

```
      <!-- main top container end -->
```

```

<!-- main bottom container start -->
<!-- first thubnail box start -->

<div class="bottom">
  <div class="container1">
    <div class="thub">
      <font> Thumbnail </font>
    </div>
    <p> Lorem ipsum dolor sit, amet consectetur adipisicing elit. Veritatis, maiores. Dolore hic delectus in obcaecati consequuntur veritatis, distinctio iure corrupti. Quibusdam optio, voluptatibus, voluptate minus harum voluptates ipsam officia quod amet officiis ex voluptas in?</p>

    <input type="button" value="View" style="margin-left: 130px;">
    <input type="button" value="Edit">
  </div>
<!-- first thubnail box container end -->
<!-- second thubnail box start -->
<div class="container1">
  <div class="thub">
    <font> Thumbnail </font>
  </div>
  <p> Lorem ipsum dolor sit, amet consectetur adipisicing elit. Veritatis, maiores. Dolore hic delectus in obcaecati consequuntur veritatis, distinctio iure corrupti. Quibusdam optio, voluptatibus, voluptate minus harum voluptates ipsam officia quod amet officiis ex voluptas in?</p>

  <input type="button" value="View" style="margin-left: 130px;">
  <input type="button" value="Edit">
</div>
<!-- second thubnail box end -->
<!-- third thubnail box start -->
<div class="container1">
  <div class="thub">
    <font> Thumbnail </font>
  </div>
  <p> Lorem ipsum dolor sit, amet consectetur adipisicing elit. Veritatis, maiores. Dolore hic delectus in obcaecati consequuntur veritatis, distinctio iure corrupti. Quibusdam optio, voluptatibus, voluptate minus harum voluptates ipsam officia quod amet officiis ex voluptas in?</p>

  <input type="button" value="View" style="margin-left: 130px;">
  <input type="button" value="Edit">
</div>

<!-- third thubnail box end -->

</div>
<!-- main bottom container end -->

</div>
<!-- main container end -->
</body>

</html>

```