

MODUAL: 2 (CSS and CSS 3)

1) What are the benefits of using CSS?

- Separates structure from prentation
- Provides advantages control of presentation
- Easy maintenance of multiple pages
- Faster page loading
- Better accessibility for disabled users
- Easy to learn
- Easy formatting changes

2) What are the disadvantages of CSS?

- Confusion due to many CSS versions
- Cross-browser issues
- Limited security
- Extra work for developers

3) What is the difference between CSS2 and CSS3?

- CSS: CSS is the basic version with the basic formatting functionality. It does not support responsive design and cannot handle media queries. It does not support 3D transformation and animation.
- CSS3: CSS is the latest iteration of the CSS language that extends the functionality of CSS2. It supports responsive design and can handle media queries quite well. CSS3 is the latest evolution which is much faster than its previous iterations.

4) Name a few CSS style components

- The components of css style are:
 - 1) Selector: HTML element name, id name, class name.
 - 2) Property: It's like an attribute such as background color, font-size, position, text-align, color, border etc.
 - 3) Values: which defines property or values allocate for properties

5) What do you understand by CSS opacity?

- The opacity property specifies the opacity/transparency /darkness of an element.
- The opacity property can take a value from 0.0 - 1.0. The lower the value, the more transparent.

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

- The background-color property specifies the background color of an element.
- Write the value (color name or code) and place it inside a style attribute. Then add this style attribute to an HTML element, like a table, heading, div, or span tag.

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

- To control the repetition of an image in the background, use the background-repeat property. You can use no-repeat value for the background-repeat property if you do not want to repeat an image, in this case, the image will display only once.

8) What is the use of background-position property?

- The background-position property is use to set proper position of a background image.
- By default, a background-image is placed at the top-left corner of an element, and repeated both vertically and horizontally.

9) Which property controls the image scroll in the background?

- Background-attachment property controls the image scroll in the background.

10) Why should background and color be used as separate properties?

- There are two reasons behind this:
- It enhances the legibility of style sheets.
- The background property is a complex property in CSS, and if it is combined with color, the complexity will further increase.

11) How to center block elements using CSS1?

- In CSS1 , by using “text-aline:center” for center block elements.

12) How to maintain the CSS specifications?

- External
- Internal
- Inline

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

- CSS can be added to HTML documents in 3 ways:
- Inline - by using the style attribute inside HTML elements.
- Internal - by using a <style> element in the <head> section.
- External - by using a <link> element to link to an external CSS file.

14) What is embedded style sheets?

- CSS stylesheets can be applied to an HTML document in 3 ways – inline styles, embedded stylesheet, and external stylesheet.
- Embedded Stylesheet: It allows you to define styles for a particular HTML document as a whole in one place.

15) What are the external style sheets?

- An external style sheet is a separate CSS file that can be accessed by creating a link within the head section of the webpage.
- Multiple webpages can use the same link to access the stylesheet. The link to an external style sheet is placed within the head section of the page.

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

Advantages of external style sheet

- Better website speed
- Easier to maintain
- Consistent design
- Better device compatibility

Disadvantages of external style sheet

- Confusion to many CSS version
- Cross-browser issues
- Limited security
- Extra work for developers

17) 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.

18) What are the media types allowed by CSS?

- Media screen – used for computer screens, tablets, smart-phones etc.
- Media print – used for printers.
- Speech – used for screenreaders that “reads” the page out loud.
- All –used for all media type devices.

19) What is the rule set?

- A collection of rules or signatures that network traffic or system activity is compared against to determine an action to take -such as forwarding or rejecting a packet, creating an alert, or allowing a system event.

20) Create Layouts?

```
<!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>assignment</title>
```

```
</head>
```

```
<style>
```

```
  .main{
```

```
    display: grid;
```

```
    grid-template-columns: repeat(3, 1fr);
```

```
    grid-column-gap: 30px;
```

```
    grid-row-gap: 20px;
```

```
    text-align: center;
```

```
  }
```

```
  .main button{
```

```
    margin-top: 10px;
```

```
    background-color: thistle;
```

```
  }
```

```
.col1{  
    height: 350px;  
    border: 2px solid black;  
    border-radius: 20px;  
}
```

```
.col1 img{  
    width: 100%;  
    height: 60%;  
    border-radius: 20px;  
}
```

```
.col2{  
    height: 350px;  
    border: 2px solid black;  
    border-radius: 20px;  
}
```

```
.col2 img{  
    width: 100%;  
    height: 60%;  
    border-radius: 20px;  
}
```

```
.col3{  
    height: 350px;  
    border: 2px solid black;  
    border-radius: 20px;  
}
```

```
.col3 img{
```

```
width: 100%;  
height: 60%;  
border-radius: 20px;  
}  
.col4{  
height: 350px;  
border: 2px solid black;  
border-radius: 20px;  
}  
.col4 img{  
width: 100%;  
height: 60%;  
border-radius: 20px;  
}  
.col5{  
height: 350px;  
border: 2px solid black;  
border-radius: 20px;  
}  
.col5 img{  
width: 100%;  
height: 60%;  
border-radius: 20px;  
}  
.col6{  
height: 350px;  
border: 2px solid black;
```

```
border-radius: 20px;
}

.col6 img{
width: 100%;
height: 60%;
border-radius: 20px;
}
</style>
<body>
<div class="main">
<div class="col1">

<p>Lorem ipsum dolor sit amet consectetur, adipisicing elit. Culpa quibusdam odio cum a, ex
dolorem assumenda iusto quod quidem nam accusantium quam voluptatum ad fugiat repellendus
odit eos quia eius.</p>
<button>FLOWER</button>
</div>
<div class="col2">

<p>Lorem ipsum dolor sit amet consectetur, adipisicing elit. Culpa quibusdam odio cum a, ex
dolorem assumenda iusto quod quidem nam accusantium quam voluptatum ad fugiat repellendus
odit eos quia eius.</p>
<button>FLOWER</button>
</div>
<div class="col3">

<p>Lorem ipsum dolor sit amet consectetur, adipisicing elit. Culpa quibusdam odio cum a, ex
dolorem assumenda iusto quod quidem nam accusantium quam voluptatum ad fugiat repellendus
odit eos quia eius.</p>
<button>FLOWER</button>
```

</div>

<div class="col4">

<p>Lorem ipsum dolor sit amet consectetur, adipisicing elit. Culpa quibusdam odio cum a, ex dolorem assumenda iusto quod quidem nam accusantium quam voluptatum ad fugiat repellendus odit eos quia eius.</p>

<button>FLOWER</button>

</div>

<div class="col5">

<p>Lorem ipsum dolor sit amet consectetur, adipisicing elit. Culpa quibusdam odio cum a, ex dolorem assumenda iusto quod quidem nam accusantium quam voluptatum ad fugiat repellendus odit eos quia eius.</p>

<button>FLOWER</button>

</div>

<div class="col6">

<p>Lorem ipsum dolor sit amet consectetur, adipisicing elit. Culpa quibusdam odio cum a, ex dolorem assumenda iusto quod quidem nam accusantium quam voluptatum ad fugiat repellendus odit eos quia eius.</p>

<button>FLOWER</button>

</div>

</div>

</body>

</html>



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