

Module 4) CSS and CSS 3

1) What are the benefits of using CSS?

Ans:There are so many benefits of using CSS:

- 1) Separation of Content and Style
- 2) Consistency
- 3) Faster Loading Times
- 4) Responsive Design
- 5) Ease of Maintenance
- 6) Accessibility
- 7) Print-Friendly Pages
- 8) Global Styling
- 9) Efficient Updates
- 10) Animations and Effects

2) What are the disadvantages of CSS?

Ans:The Disadvantages of CSS:

- 1) Browser Compatibility
- 2) Learning Curve
- 3) Lack of Security
- 4) Limited Layout Control
- 5) Performance Impact
- 6) Overriding Styles

3) What is the difference between CSS2 and CSS3?

Ans:The difference between CSS2 and CSS3 are :

CSS3 builds upon CSS2 with additional features like new selectors, media queries, multiple backgrounds, transition, animations, transformations, Flex box, and Grid layout, enhancing styling and layout capabilities for modern web development.

4) Name a few CSS style components

Ans:List Of Few CSS style components:

- 1) Color and Backgrounds:
Color, background-color, background-position, background-size, background-repeat, background-image
- 2) Text and Fonts:
font, font-style, font-family, font-weight, text-align, text-decoration, text-transform, line-height, text-shadow.
- 3) Box-model:
Margin, padding, border, border-radius, width, height, border-sizing, box-shadow.
- 4) Layout:
Display, position, top, right, left, bottom, z-index
- 5) Flex box:
Display, justify-content,

align-items,gap,flex-direction ,
flex-wrap,align-content,order,flex-grow,
flex-shrink,flex-basis

6) Grid:

7) Multi-Column layout:

5) What do you understand by CSS opacity?

Ans:CSS opacity is generally used for transparency level of an element.the opacity ranges from 0to1.

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

Ans:the background color of an element can be change by using the background-color property.

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

Ans:Image repetition in CSS can be controlled using the background-repeat property. This property specifies how background images are repeated within an element.

There are three values of background-repeat property:

- 1) no-repeat
- 2) Repeat-x
- 3) Repeat-y

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

Ans:background-position property can be used to specify the initial position of a background image within its container.

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

Ans:background-attachment property used to controls the image scroll in the background.

There are two property values:

1)fixed 2)scroll

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

Ans:background property is used to set background-related styles for an element. It can include background color, background image,background position, background size, background repeat and color property is used for text colour of an element.

11) How to center block elements using CSS1?

Ans:1) Using margin:

Margin: 0 auto;

2) Using Transform:

Transform:Translate(-50%,-50%);

- 3) Using Flex box:
Display:flex;
Justify-content:center;
Align-items:center;

12) How to maintain the CSS specifications?

Ans:

- 1) Document thoroughly.
- 2) Follow consistent naming conventions.
- 3) Modularize code for re-usability.
- 4) Utilize version control.
- 5) Employ linting and code analysis.
- 6) Test across browsers and devices.
- 7) Integrate into CI/CD pipelines for automation.

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

Ans:There are three ways to integrate CSS as a web page:

- 1) External CSS
- 2) Inline CSS
- 3) Internal CSS

14) What is embedded style sheets?

Ans:Internal style sheets are called a embedded style sheets. embedded style sheets are define

CSS styles within the <style> tag in the <head> tag in the HTML file.

15) What are the external style sheets?

Ans:External style sheets are used another style sheet file to style the HTML structure and after this .css file link to HTML file to styling elements.

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

Ans:The advantages and disadvantages of using external style sheets are below:

Advantages:

1. Modularity and Reuseability
2. Consistency
3. Easy Maintenance
4. Caching
5. Separation of Concerns

Disadvantages:

1. Additional HTTP request
2. Dependency on External Resources
3. Caching challenges
4. Debugging Complexity
5. Potential FO

17) What is the meaning of the CSS selector?

Ans:CSS selector is used to select and target one or more HTML elements for styling or manipulation which is generally used to apply CSS property to HTML elements.

18) What are the media types allowed by CSS?

Ans:There are main three types of media types:

- 1.all - Used for all media type devices
- 2.Print- Used for print preview mode
- 3.Screen-Used for computer screens,tablets, Smart-phones etc.

19) What is the rule set?

Ans:In CSS, a rule set is a fundamental building block that defines the styles to be applied to HTML elements. A rule set consists of two main parts: a selector and a declaration block.

Example:

```
p {  
  color: blue;  
  font-size: 16px;  
}
```