CSS Assingment

**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.

**2 What are the disadvantages of CSS?**

**Ans:-** Browser Compatibility. CSS may render differently in various web browsers, leading to inconsistencies in the visual presentation. ...

\* Learning Curve. ...

\* Lack of Security. ...

\* Limited Layout Control. ...

\* Performance Impact. ...

\* Overriding Styles. ...

\* Maintenance Challenges

**3 What is the difference between CSS2 and CSS3?**

**Ans:-** The biggest difference between CSS2 and CSS3 is that CSS3 has been split

into different sections, called modules. Each of these modules is making its way through the W3C in various stages of the recommendation process.

**4 Name a few CSS style components.**

**Ans:-** At its most basic level, CSS consists of two components:

These are human-readable identifiers that indicate which stylistic features you want to modify. For example, font-size , width , background-color .

Values: Each property is assigned a value. This value indicates how to style the property.

**5 What do you understand by CSS opacity?**

**Ans:-** CSS opacity property specifies the transparency of an element. An opacity value of "1" means the element is completely opaque and an opacity value of "0" means the element is completely transparent. You can use values between "0" and "1" to control the element's transparency to a degree.

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

**Ans:-**  The first and simplest way to change the background color is by using inline CSS, which appears in the HTML code itself. To use inline CSS, find the opening tag of the element you want to target, then add the attribute style=“background-color: yourcolorhere;”

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

**Ans:-** This task can be achieved by using the background-repeat property that will help us to control the repetition of the image. The background-repeat property in CSS is used to repeat the background image both horizontally and vertically. It also decides whether the background image will be repeated or not.

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

**Ans:-** The CSS background position property allows you to position a background image at any position within an element. This property helps create attractive web designs by allowing you to control exactly where a background image is positioned.

**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.

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

**Ans:-** 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?**

**Ans:-** To horizontally center a block element (like <div>), use margin: auto; Setting the width of the element will prevent it from stretching out to the edges of its container.

**12 How to maintain the CSS specifications?**

**Ans:-** The Specification defines how CSS properties should be implemented by browser vendors along with detailed algorithms, code samples and tabular information. The Specification also include: The syntax and data types of the language. Detailed explanation on CSS Selectors.

Here are some general suggestions for ways to keep your stylesheets organized and tidy.

* Does your project have a coding style guide? ...
* Keep it consistent. ...
* Formatting readable CSS. ...
* Comment your CSS. ...
* Create logical sections in your stylesheet. ...
* Avoid overly-specific selectors. ...
* Break large stylesheets into multiple smaller ones.

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

**Ans:-** There are three primary methods to use CSS into your HTML documents: external, internal, and inline. Each method has its advantages and best-use scenarios. This guide will explore these methods in detail, helping you choose the best approach for your web development needs.

**14 What is embedded style sheets?**

**Ans:-** Embedded styles consist of CSS code. CSS (Cascading Style Sheets) is a stylesheet language used to specify the details of document designs written in HTML or XML. You place CSS code within a <style> tag to create embedded styles. Embedded styles are included within the <head> section.

**15 What are the external style sheets?**

**Ans:-** 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?**

**Ans:-** External style sheets, or CSS, have many advantages, including:

* Reusability: A single stylesheet can be used across multiple web pages, reducing repetition and redundancy.
* Performance: External CSS uses browser caching to improve loading times, especially after the first visit to a website.
* Time efficiency: Global changes can be made through a single stylesheet.
* Design flexibility: Responsive design tools like Flexbox and media queries can be used.

However, CSS also has some disadvantages, including:

* Browser compatibility: Issues may arise that require additional effort to ensure consistency across browsers.
* Complexity: CSS can be complex for beginners to learn.
* Security: CSS may have potential security vulnerabilities, like XSS attacks.
* Layout control: CSS may have limitations in layout control that require additional tools

**17 What is the meaning of the CSS selector?**

**Ans:-** 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?**

**Ans:-**

CSS 2.1 defines the following media groups:

* continuous or paged.
* visual, audio, speech, or tactile.
* grid (for character grid devices), or bitmap.
* interactive (for devices that allow user interaction), or static (for those that do not).
* all (includes all media types)

**19 What is the rule set?**

**Ans:-** A rule set is a collection of one or many rules that are executed together as a single unit against a specific set of records (either from one source or a set of conjoined sources) and generate several levels of statistics.

**20 Create Layouts.**

## Ans:- Layout design is the process of arranging visual and textual elements on-screen or on-paper in order to grab a reader's attention and communicate information in a visually appealing way.