**CSS**

1. **What are the benefits of using CSS?**

* CSS stand for Cascading Style Sheet which is used to style the page.
* Benefits of using CSS it makes website attractive by feel good look.
* one of the most important uses of CSS is to make website responsive using Media Queries.
* with the use of CSS, we can add animation and Transitions to the page.
* with the use of Class, Id we can select specific Tag and we can give style to it according to requirement. We can also reuse the classes to give same style to different tags.

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

* disadvantage of CSS is when the page loads it takes much time to load the files when the website is large.
* Learning CSS can be challenging, especially for beginners.
* If we do not take care of specificity and overriding styles it creates confusion among sites to decide implementation of styles.

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

|  |  |
| --- | --- |
| **CSS2** | **CSS3** |
| CSS2 is capable for positioning texts and objects | CSS3 can create website smooth and fast which takes less time to create and supports all design aspects. |
| Responsive design is not supported in CSS2 | CSS3 is the latest version and supported by many browsers and it supports responsive design effectively |
| CSS2 is Slow | **CSS** |

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

Major CSS style components are mentioned below.

* Positioning
* Layout Pattern
* Box Model
* Flexbox and Grid Layout
* Responsive Design
* Backgrounds
* Colours

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

* CSS Opacity is used to specify transparency of an element.

6. How can the background colour of an element be changed?

* We can use “Background-color” property to set the Background Colour of an Element or Component or section.

7. **How can image repetition of the background be controlled?**

* with the use of **“Background-repeat: repeat”** 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

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

* The **background-position** property in CSS is mainly used to sets the Starting position for the background image. It can be set by using the “[**Background -**](https://www.geeksforgeeks.org/css-background-origin-property/) **position”** property.

**9. Which property controls the image scroll in the background?**

* Image scroll can be control by the property of “overflow: scroll” which adds scroll to the images in the Background

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

* Colour is an inherited property while the background is not.
* Background colour: we can set colour to the background.
* Background Image: Instead of colour, we can put an image as your background.

11. **How to centre block elements using CSS1?**

* To centre a block, we can give width to the element so we can apply margin property, with the Help of margin right and margin left auto we can centre an element.
* **H1{**

**Width:500 px;**

**Margin-left: auto;**

**Margin-right: auto;**

**}**

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

* The CSS specifications are maintained by the World Wide Web Consortium (W3C).
* With the best practice we can maintain specification**.**
* Make code readable
* Format style sheets well
* Build accessibility in to design.

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

* **There are 3 ways for embedding CSS**
* **1) Inline style**
* **2)Internal style**
* **3)External Style**

14. **What is embedded style sheets?**

* Embedded style sheet: with the help of defining <style><style/> In the head of a html we can embed style.

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

* To apply a rule to multiple pages, an external style sheet is used. 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
* <link rel="stylesheet" href="style.css">

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

**Advantage:**

* Easy to Maintain
* Consistency of a code
* Centralized Management

**Disadvantage:**

* Dependency
* Render Blocking
* HTTP Request

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

* In CSS, selectors are used to target the HTML elements on our web pages that we want to style. There are a wide variety of CSS selectors available.
* Class Selectors : Selects elements based on their class attribute.  **class="example"**
* ID Selectors : Selects elements based on their ID attribute. **id="header"**

**18.What are the media types allowed by CSS?**

CSS supports different media types, which allow styles to be applied based on the device or rendering the document. Here are the media types allowed by CSS:

* **All** : Applies to all devices and media types.
* **Print**: Applies to printers and print preview modes.
* **Screen :** Applies to computer screens, tablets, smart-phones, etc.
* **Speech :** Applies to screen readers that read the page out loud.

**19.What is the rule set?**

* **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**