

module (CSS) and CSS 3) - 2

* what are the benefits of using CSS?

Ex) CSS plays an important role, by using CSS you simply got to specify a repeated style for element once & use it multiple times as because CSS will automatically apply the required styles.

The main advantage of CSS is that style is applied consistently across variety of sites. One instruction can control several areas which is advantageous.

* what are the disadvantage of CSS?

Ex) Different browsers work differently so, you have to check that changes implemented in the website via CSS codes are reflected properly among all browsers.

* what is the difference between CSS2 and CSS3?

Ex) The biggest difference between CSS2 and CSS3 is that CSS3 has been split into different sections, called modules.

The box model determines how elements are sized and spaced on a webpage. CSS2 introduced a new box model which included padding, borders and margins. CSS3 introduced the flexible box layout module, which allows for more flexible layouts.

Ex: CSS3 introduced new animation and transition properties, such as transition, animation, and keyframes, which allow for more dynamic and engaging web designs.

Name a few CSS style components.

Ex) Selector :

To specify class name, id name or element name that is target.

Ex) Attribute :

Name of the attribute you want to style for example border, color, background, position etc.

Ex) Value of Property :

Value that will be assigned to attribute.

Date _____

Q. what do you understand by CSS opacity?

A) The opacity in CSS is the property of an element that describes the transparency of the element. It is the opposite of transparency & represents the degree to which the content will be hidden behind an element.

We can apply the opacity with different styling properties for the elements. A few of them are discussed below.

Q. How can the background color of an element be changed?

A) The background-color property in CSS is used to specify the background color of an element. The background covers the total size of the element with padding and border but excludes margin. It makes the text so easy to read for the user.

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

Ex) The CSS background-position property is used to set the position of the background image. This is used to set the background at a specific position.

Ex div {

```
background-image: url(" ");  
background-repeat: no-repeat;  
background-position: center;
```

* Which property controls the image scrolling in the background?

Ex) The background-attachment property in CSS is used to specify the kind of attachment of the background image with respect to its container. It can be set to scroll or make it remain fixed.

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

Ex) Background and color are separate properties because they can be used for different purpose. The

background property is used to set the background color or image of an element, while the color property is used to set the text color of that element.

These properties can be used together to create a cohesive design, but they can also be used separately to create different effects. For example, you might want to set a background color for an element but leave the text color as the default.

* How to center block elements using CSS (part 1 basic)

Ex) In order to center the block-level elements, we need to set the margin-right and margin-left properties to explicit values.

How to maintain the CSS specification?

The specification defines how CSS properties should be implemented by browser vendors along with detailed algorithms, code samples and tables information. Detailed explanation on CSS selectors.

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

Ex) There are three ways to integrate CSS into a web page.

(i) Inline : HTML elements may have CSS applied to them via the STYLE attribute.

(ii) Embedded : By placing the code in a STYLE element within the HEAD element.

(iii) Linked / Imported : Place the CSS in an external file and link it via a link element.

* what is embedded style sheets?

Ex) Embedded style sheets refer to when you embed style sheet information into an HTML document using the <style> element. This is done by embedding the <style> </style> tags containing the CSS properties in the head of your document.

* what are the external style sheets?

→ External style sheets are created in separate documents with a .css extension. An external style sheet is simply a listing of CSS rules. It cannot contain HTML tags. The `link` tag, which goes in the head of an HTML page, is used to link an external style sheet.⁹⁸ There is no limit to the number of external style sheets a single HTML page can use.

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

→ The advantages of External style sheets are-

- With the help of External style sheets, the styles of numerous documents can be organized from one single file.
- In External style sheets, classes can be made for use on numerous HTML element types in many forms of the site.

Ex) The disadvantages of External style sheets are -

- The execution of the file may be deferred till the external style sheet is loaded.
- While implementing style sheets, we need to test web pages with multiple browsers in order to check compatibility issues.

* What is the meaning of the CSS selector?

Ex) CSS Selectors are used to select the content you want to style. Selectors are the part of CSS while selecting CSS selector select HTML elements according to its id, class, type, attribute etc.

Ex) There are several different types of selectors in CSS.

1. CSS Element selector
2. CSS Id selector
3. CSS Class selector
4. CSS Universal selector
5. CSS Group selector.

f what are the media types allowed by CSS?

Ex) The recognized media types are all suitable for all devices and intended for speech synthesizers. The intended for braille feedback devices. The CSS media types are used in media queries, which allow you to apply different styles depending on the output device. You to documents to be presented correctly on various types of media such as screen, print, in visual browser, etc.

f what is the rule set?

Ex) There are two types of CSS rules: rule set and at-rule. Rule set identifies selectors or selectors.

Ex) `P { PTEXT - indent : 10pt 3 }`
is a CSS rule.

Ex) CSS rule set contains one or more selectors and one or more declaration. The selector(s), which in this example is `h1`, points to an HTML element. The rule set is the main building block of a CSS sheet.