Q-1 What are the benefits of using CSS?

1. There are so many benefits of using css like **Flexibility and Control, Responsive web designs, Fast loading , separation from html , Accessibility, Search Engine Optimization etc.**

Q-2 What are the disadvantages of CSS?

1. Cascading and specificity issues like which style take first preference to apply and which not , depended on html structure, and all the css behave differently on every browser so all this are the disadvantages of css.

Q-3 What is the difference between CSS2 and CSS3?

1. Css3 introduce many different selector such as a pseudo-class nth-child(),and many more
2. Media queries introduce in css3 so easily change in resolutions and screen sizes.
3. Flexbox introduce in css3 which gives us more flexibility and efficient way to build responsive layouts
4. Grid layout also introduce in css3 which enable creation in 2D in different layout and also make responsive designs very easily

Q-4 Name a few CSS style components

1. There are so many different type of style components in css here I’m gone give some example here but there are still many more left:
2. Colors:
3. Layout:
4. Borders:
5. Forms:
6. Flexbox:
7. Grid:
8. Animations:
9. Transitions:

Etc…

Q-5 What do you understand by CSS opacity?

1. Opacity is css property which is use for how much transparency of element shown in webpage , so the value of opacity is between 0 to 1,

Example:

If I’m gone put opacity: 0.5 then element shows 50% transparent

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

1. There are total three ways of it internal css external css and inline css in all the methods there is one property called background-color and after that you can change any background color of element.

Q-7 How can image repetition of the backup be controlled?

1. Controlling image repetition in CSS involves using the background repeat property. This property specifies how a background image is repeated both horizontally and vertically.

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

1. This property allows you to control the disply image in top bottom left and right which direction you want to saw in background .
2. .element {
3. background-image: url('example.jpg');
4. background-position: center top;

Q-9 Which property controls the image scroll in the background?

1. The property that controls image scrolling in the background is background-attachment
2. When set to scroll, the background image will scroll along with the content as the user scrolls.
3. When set to fixed, the background image will remain fixed in its position relative to the viewport, and will not scroll with the content.

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

1. The use of background property is for color change in background and put the image on it but at same another point color property use for change the color of the Font or a text which contain in the element .

Q-11 How to center block elements using CSS1?

1. By the set the margin on the both the sides like margin left auto and margin right auto and we got the element in center in CSS1.

.centered {

margin-left: auto;

margin-right: auto;

}

Q-12 How to maintain the CSS specifications?

1. **Stay Updated:** Regularly check for updates and revisions to the CSS specifications from the W3C. Follow blogs, mailing lists, or social media channels related to web standards to stay informed about changes and advancements.
2. **Use Valid CSS:** Write CSS that adheres to the latest specifications and passes validation checks. Tools like the W3C CSS Validator can help you identify syntax errors, deprecated features, or non-standard usage.
3. **Understand Browser Support:** Be aware of the level of support for CSS features across different browsers. Use resources like MDN Web Docs or Can I Use to check compatibility and fallback options for less supported features.

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

A- There are Total 3 Ways to integrate css on a web page which are the given below

1. Inline css
2. Internal css
3. External css

This are the method which we can use for the integrate css on a web page.

Q-14 What is embedded style sheets?

A- embedded style sheet is also called as a internal css which written in the head tag in html .

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Embedded Style Sheet Example</title>

<style>

/\* Embedded CSS styles \*/

body {

font-family: Arial, sans-serif;

background-color: #f0f0f0;

}

h1 {

color: #333;

}

.container {

width: 80%;

margin: 0 auto;

Q-15 What are the external style sheets?

A- 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.

Q-16 what are the advantages and disadvantages of using external style sheets?

A- External style sheets offer several advantages and some disadvantages:

**Advantages**:

1. **Consistency**: With an external style sheet, you can maintain consistency across multiple pages of a website. You define the styles once and apply them universally, ensuring a cohesive look and feel.
2. **Ease of Maintenance**: External style sheets make it easier to manage and update the styles of a website. Instead of editing each individual page, you can make changes in one central file, which automatically reflects across all pages linked to it.
3. **Faster Page Loading**: Since external style sheets are cached by the browser after the first visit, subsequent pages load faster as they don't need to reload the styles. This can improve overall website performance and user experience.

**Disadvantages**:

1. **Dependency**: External style sheets require an additional HTTP request, which can marginally slow down the initial loading time of a web page, especially if the server is slow or if there are multiple style sheets to load.
2. **Potential for Conflicts**: If multiple style sheets are linked to a page, conflicts may arise if selectors overlap or if styles are overridden unintentionally. This can lead to unexpected behavior and require troubleshooting to resolve.
3. **Limited Offline Functionality**: If the external style sheet fails to load due to network issues or server problems, the web page may not display correctly or at all. This dependency on an external resource can impact the website's offline functionality.

Q-17 What is the meaning of the CSS selector?

A- css selector means for the style on the webpages we can use multiple selector like element selector ,child selector, class selector, id selector, attribute selector etc.

Q-18 What are the media types allowed by CSS?

A- there are multiple media type allowed by css here are the examples which are given below

@media media\_type {

/\* CSS rules specific to this media type \*/}

@media print {

/\* CSS rules specific to printing \*/}

@media speech {

/\* CSS rules specific to speech \*/]

@media screen and (max-width: 600px) {

/\* CSS rules for screens with a width of 600px or less \*/}

Q-19 What is the rule set?

A- in the css rule set there are declaration property and value are included in that.