

CSS Flag

1. What Flex layout? Difference Flex and grid layout?

Ans: Flex layout means a flexible box layout which is very important in CSS. We can shrink or expand more than one element on a container by using flex layout. Flexbox layout is a new way to create one dimensional layout.

Some difference between flex and grid layout—

Flex:

1. This is a one dimensional layout.
2. This pattern makes it easier to design and flexible and also effective layout.

Grid:

1. This is a two dimensional layout.
2. It allows developers to construct custom grids with more flexibility.

2. Explain CSS position property? What are some differences between absolute position and relative position?

Ans: There are some position properties like **static**, **relative**, **absolute**, **fixed**, **sticky**. One more thing is that if we use position property, we have to need some helper property like **left**, **right**, **bottom**, **top**.

Some difference between absolute position and relative position—

1. We use relative position property on parent div.
2. We use absolute position property on child div.
3. We can fix the child div position by using the helper property.

3. What is a box model? And what are the different elements of a box model?

Ans: Each HTML element is a box and the box has it's own different properties. Box model is designed in CSS to understand these properties. And the Box model is playing an important and vital role in web designing. A box has four types of element properties like **content**, **padding**, **border** and **margin**.

– Content in the Box Model is the important part which is defined by the Element and It includes Text, Media etc. Content always stay in center of the box model.

– Padding is the blank space around the content which is stay outside of the content but inside the border.

– Border is an extra part of an element which is stay around padding and inside the margin.

– Margin is the free space inside the Browser window and outside the border.

4. What is the Hover effect? What is the purpose of the active class?

Ans: After mouse over any element and show something new structure or effect that time we can call this as a Hover effect. Hover effect can be used on all elements, not only links.

– :active is also a pseudo selector class which is like :hover pseudo class. It selects the link when it is being activated (being clicked on or otherwise activated).

5. What are the different types of Selectors in CSS?

Ans: There are 5 types of CSS selectors category like–

1. Simple selectors
2. Combinator selectors
3. Attribute selectors
4. Pseudo-class selectors
5. Pseudo-elements selectors

6. What is CSS Specificity?

Ans: CSS means Cascading Style Sheet. HTML and CSS have a huge hand behind the technique of creating a webpage. The webpage gets a shape by using HTML but the webpage gets a new attractive look by using CSS. And think of the specificity of the CSS as a score/rank that determines which style declarations are ultimately applied to an element.

7. What is a CSS Preprocessor? What are some benefits of Sass?

Ans: A CSS Preprocessor is a tool used to extend the introductory functionality of dereliction vanilla CSS through its own scripting language. It helps us to use complex logical syntax like – variables, functions, mixins, law nesting, and heritage to name a many, supercharging your vanilla CSS.

—There are some CSS Preprocessors like– **Sass**, **LESS**, **Stylus** and **PostCss**. There Sass is the most popular and powerful preprocessor in the world even though Sass is fully compatible with all performances of CSS. We take this comity seriously, so that you can seamlessly use any available CSS libraries.

8. What is a Pseudo element? Give an example of a pseudo element.

Ans: Pseudo element is a keyword which defines a specified area on css for HTML elements and then applies style on those selected elements. There are some pseudo elements like– 1)::after, 2)::before, 3)::first-letter, 4)::first-line, 5)::selection and 6)::placeholder

9. How will you use media queries to make a website responsive?

Ans: Media query is a CSS technique which is introduced in CSS3. It uses the `@media` rule to include a block of CSS properties only if a certain condition is true. We can initialize the screen by using **min-width** or **max-width**.

10. How will you make font size responsive?

Ans: If we create a responsiveness on font/text size that time we have to need to set the text size with vw unit, which means “viewport width”.

This is the easiest way and that way the font size will follow the browser window size. And another way is media query.

11. Difference between transition and transform.

Ans: Transition and transform are CSS property and there are also some classification like—

– Transition has some classification with specification.

1. transition-property
2. transition-duration
3. transition-delay
4. transition-time-function

– Transform property is used to move or apply the 2d and 3d transformation of an element.

1. transform-origin
2. transform-style

12. How will you horizontally and vertically center a div inside a div?

Ans: This is really an important question. If we want to place or fix a div horizontally and vertically center inside a div that time we have to must use some css property like—

- display: flex;
- justify-content: center; (horizontally centered a div)
- align-items: center; (vertically centered a div)

13. What is the difference between a Class and an Id?

Ans: A class is a way to style HTML elements and it will be multiple but An id is unique and it can be assigned a single element.

14. Difference between SASS and SCSS ?

Ans: SASS and SCSS are preprocessors of CSS. But there are differences like—

- SASS is based on indentation whereas SCSS is not based on this.
- Extension of SASS is .sass and extension of SCSS is .scss.
- SASS doesn't use curly brackets or semicolons but SCSS use it like vanilla CSS.

15. Which CSS framework is best, Bootstrap and Tailwind ?

Ans: I think it depends on a developer. Because Bootstrap and Tailwind are very popular css frameworks. Both help to save time for a developer to create a responsive design so easily. I think if you are comfortable in Bootstrap that's fine, you can do work with it. On the other hand, if you are comfortable in Tailwind that's good, you can do work with it.