**CSS QUESTIONS**

**============================================================**

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

Ans: Flexbox is a CSS layout model that work in one dimensional way. It works row ways.

Different Between Flexbox and grid are given below:

Flex only works one dimensional way [ row or column ways] on the other hand grid can work row and column both ways.

===============End ================

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

Ans: CSS position property defines the position of an element in a web page. This property works with the left, right, top, bottom and z-index properties to determine the final position of an element on a page.

Difference between absolute and relative position:

* Relative - positioned element is positioned relative to its normal position, Absolute –is relative to the first parent element that has a position other than static.
* Position relative works from the same side but absolute works depending to its relatives’ parents’ area.

========End =========

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

Ans: The CSS box model is a container that contains multiple properties including borders, margin, padding, and the content itself. It is used to make web layout.

The different element of box model are:

1)Content

2)Padding

3)Border

4)Margin

========End ========

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

Ans:

CSS hover effect works when a user hovers over an element with mouse curser, and the element responds with transition effects.

Perpose of active class:

active is a CSS pseudo-class. It specifies and selects an element based on a state. It works when an element is being activated by the user by mouse click. It is often used to target and style an element when it’s active.

========End ========

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

Ans:

* 1)Tag selector
* 2)Id selector
* 3)class select
* 4)group selector
* 5)Universal selector
* 6)Descendant selector
* 7)pseudo selector
* 8)adjacent sibling selector
* 9)general sibling selector

========End========

6. What is CSS Specificity?

Ans: CSS Specificity is the means by which browsers decide which CSS property values are the most relevant to an element and, therefore, will be applie

It works by this directional priority:

1)Id ->class->tag

========End ========

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

Ans:

CSS preprocessors extend the functionality of regular CSS. They add more logical syntax and tools like variables, if/else statements, and loops. This makes the CSS more efficient and concise, powerful and dynamic. Using a CSS preprocessor, a developer is able to write out more complex style and layout. The source code can be shorter and more readable.

Benefit of using sass over css:

* 1)It's CSS syntax friendly
* 2)It offers variables for whatever you want
* 3)It uses nested syntax
* 4)It includes mixins

=========End =========

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

Ans:

A CSS pseudo-element is a keyword added to a selector that lets you style a specific part of the selected elements. For Example, Styling the first letter or line of an element,

Examples of pseudo elements are:

: before |: after |: first-letter ETC.

=========End =========

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

Ans:

To use media query, we have to write like below code:

**@Media and (max-width:768) {**

**code for responsive will here,**

**}**

=========End =======

১০. How will you make font size responsive?

Ans:

we can responsive font size my using rem unit. REM unit works based on browser default size.

There are some more measuring units available :

px,em,% vh,vw etc

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=========End ======

11.Difference between transition and transform

Ans:

The transform CSS property lets us rotate, scale, skew, or translate an element. It modifies the coordinate space of the CSS visual formatting model

On the other hand, CSS transitions provide a way to control animation speed when changing CSS properties. Instead of having property changes take effect immediately, you can cause the changes in a property to take place over a period of time.

========End ========

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

Ans:

To center a div horizontal and vertical way we can use various ways an example given below:

1)give the parent property:

**display: flex, justify-content: center; align-items: center;**

=======End ==========