31.10.23 **Grid**

Assignment

PW SKILLS

1. What is the grid?
2. What is the difference between Flex and grid?
3. How can you define rows and columns for your grid?
4. List any two properties of the grid item and grid container.

Note: *Please create a Google Document and write your answers and upload the shareable link of the Google Document with view access during the submission of the assignment.*

1)   *What is the grid?*

Ans) *An intersection of vertical and horizontal lines is known as a grid. Major sections of a page are separated using CSS Grid layout. A grid-based layout system with rows and columns is provided by the grid attribute. It eliminates the need for positioning and floating, making web page creation simple. The grid layout enables us to construct grid structures represented in CSS rather than HTML. The user can align the pieces into rows and columns like a table. But using the CSS grid to construct a layout is simpler than using tables.*

2)   *What is the difference between Flex and grid?*

Ans) *The differences between Flex (flexbox) and grid are as follows:*

1. *The basic difference between CSS Grid Layout and CSS Flexbox Layout is that flexbox was designed for layout in one dimension - either a row or a column. Grid was designed for two-dimensional layout - rows, and columns at the same time.*

2. *The approach of CSS Grid is the layout first, while the Flexbox approach is primarily the content.*

3. *The Flexbox layout is best suited to application components and small-scale layouts, while the Grid layout is designed for larger-scale layouts that are not linear in design.*

3)   *How can you define rows and columns for your grid?*

Ans) *The grid-template property in CSS is a shorthand property for setting the grid-template-rows, grid-template-columns, and grid-template-areas properties all at once. It allows you to define the structure of a grid layout in a simple way.*

4)   List any two properties of the grid item and grid container.

Ans) *Properties associated with grid items are:*

1. *Grid-row: defines on which row to place an item. You can also state here, where the item will start, and where the item will end. To place an item, you can either use line numbers, or use span to define how many columns the item will span.*

2. *Grid-column: defines on which column the item is to be placed. Like a row, here too, it can be stated where the item will start and end. Here again, you can either use line numbers, or use span to define how many columns the item will span.*

Properties associated with grid container are:

1. *Grid-template-rows : It simply states the height of each row.*

2. *Grid-template-columns : It states the number of columns in the grid and it can define the width of each column. Here, there is a provision to use the specification as "auto" if all columns should have the same width.*

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