**Display Attributes**

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Mar 4

- Box Model

- Positions

- Float

Display Attributes

- They are used to control the display of elements in page.

display : none

display : block

display : inline

display : grid

display : flex

none : To hide any element in page.

block : To show element in block style. [below existing]

inline : To show element beside existing

Ex:

<!DOCTYPE html>

<html>

<head>

<title>Float</title>

<style>

#UserName:valid+span {

display: none;

}

#UserName:invalid+span {

display: inline;

}

</style>

</head>

<body>

<dl>

<dt>User Name</dt>

<dd>

<input type="text" id="UserName" required>

<span>User Name Required</span>

</dd>

</dl>

</body>

</html>

grid:

- It allows to arrange elements into specified row or column.

- You can dynamically change the position.

- Display Grid uses

grid-template-columns : 12 fractions maximum

3fr

300px

1200 pixels maximum

- Display grid used following attributes to arrange into rows and columns

grid-row

grid-column

grid-gap

Download Mobile Simulator on Chrome

- Goto Chrome://apps

- Goto Webstore

- Search for "Mobile Simulator"

- Add to Chrome

Ex:

<!DOCTYPE html>

<html>

<head>

<title>Float</title>

<style>

@media screen and (orientation:landscape)

{

.container {

display: grid;

grid-template-columns: 3fr 8fr 2fr;

}

header, footer, aside, main, nav {

border:1px solid black;

padding: 5px;

margin: 5px;

}

header {

grid-row: 1;

grid-column: 1/4;

text-align: center;

}

main {

grid-row: 2;

grid-column: 2;

height: 300px;

}

nav {

grid-row: 2;

grid-column: 1;

}

aside {

grid-row: 2;

grid-column: 3;

}

footer {

grid-row: 3;

grid-column: 1/4;

}

}

@media screen and (orientation: portrait) {

.container {

display: grid;

grid-template-columns: 12fr;

}

header, footer, aside, main, nav {

border:1px solid black;

padding: 5px;

margin: 5px;

}

header {

grid-row: 1;

grid-column: 1;

}

nav {

grid-row: 2;

grid-column: 1;

}

li {

display: inline;

margin-right: 10px;

}

main {

grid-row: 3;

grid-column: 1;

height: 300px;

}

aside {

grid-row: 4;

grid-column: 1;

}

}

</style>

</head>

<body>

<div class="container">

<header>

<h2>Amazon Shopping</h2>

</header>

<main>

Main Content

</main>

<aside>

Ads..

</aside>

<nav>

<ul>

<li>Home</li>

<li>Electronics</li>

<li>Footwear</li>

</ul>

</nav>

<footer>

&copy; copyright 2022

</footer>

</div>

</body>

</html>

FAQ: What is difference between Display : Grid and Columns?

- Grid allows to arrange content into specified row and column.

- Columns will place continous content.

Column Attributes

==============

columns

column-gap

column-width

column-rule

column-span

Ex:

<!DOCTYPE html>

<html>

<head>

<title>News</title>

<style>

header {

font-size: 50px;

text-align: center;

background-color: black;

color:white;

margin-bottom: 10px;

}

section {

columns: 6;

text-align: justify;

column-gap: 20px;

column-rule: 2px dotted black;

}

h3 {

background-color: gray;

color:white;

font-style: italic;

text-align: center;

column-span: all;

}

</style>

</head>

<body>

<header>

THE HINDU

</header>

<section>

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</section>

</body>

</html>

Display Flex

- Inline is used for individual elements

- Flex is used for container that contains elements.

- Flexible display

- It can Warp contents, set space between contents, align content to top, center, bottom [verticially] or left, center, right. [horizontally]

Attributes:

display:flex

flex:wrap

flex-direction:row ]

flex-direction:row-reverse ] direction

flex-direction:column ]

flex-direciton:column-reverse ]

<!DOCTYPE html>

<html>

<head>

<title>Cards</title>

<link rel="stylesheet" href="../node\_modules/bootstrap-icons/font/bootstrap-icons.css">

<style>

.card {

width: 150px;

padding: 20px;

margin: 20px;

box-shadow: 3px 3px 3px gray;

text-align: center;

font-family: Arial;

}

.card-image {

width: 100%;

height: 120px;

}

.card-header {

margin-top: 20px;

font-weight: bold;

}

.card-body {

margin-top: 20px;

color:goldenrod;

}

.card-footer {

margin-top: 20px;

color:blueviolet;

}

.container {

display: flex;

flex-wrap: wrap;

flex-direction: column-reverse;

justify-content: space-evenly;

}

</style>

</head>

<body>

<div class="container">

<div class="card">

<img class="card-image" src="../public/images/card1.jpg">

<div class="card-header">

Digital Marketing Online Training

</div>

<div class="card-body">

<span class="bi bi-star-fill"></span>

<span class="bi bi-star-fill"></span>

<span class="bi bi-star-fill"></span>

<span class="bi bi-star-fill"></span>

<span class="bi bi-star-fill"></span>

</div>

<div class="card-footer">

View Course

</div>

</div>

<div class="card">

<img class="card-image" src="../public/images/card2.jpg">

<div class="card-header">

ASP.NET Online Training

</div>

<div class="card-body">

<span class="bi bi-star-fill"></span>

<span class="bi bi-star-fill"></span>

<span class="bi bi-star-fill"></span>

<span class="bi bi-star-fill"></span>

<span class="bi bi-star-fill"></span>

</div>

<div class="card-footer">

View Course

</div>

</div>

<div class="card">

<img class="card-image" src="../public/images/card3.jpg">

<div class="card-header">

Android Online Training

</div>

<div class="card-body">

<span class="bi bi-star-fill"></span>

<span class="bi bi-star-fill"></span>

<span class="bi bi-star-fill"></span>

<span class="bi bi-star-fill"></span>

<span class="bi bi-star-fill"></span>

</div>

<div class="card-footer">

View Course

</div>

</div>

<div class="card">

<img class="card-image" src="../public/images/card4.jpg">

<div class="card-header">

Automation Online Training

</div>

<div class="card-body">

<span class="bi bi-star-fill"></span>

<span class="bi bi-star-fill"></span>

<span class="bi bi-star-fill"></span>

<span class="bi bi-star-fill"></span>

<span class="bi bi-star-fill"></span>

</div>

<div class="card-footer">

View Course

</div>

</div>

<div class="card">

<img class="card-image" src="../public/images/card5.jpg">

<div class="card-header">

Linux|Unix Online Training

</div>

<div class="card-body">

<span class="bi bi-star-fill"></span>

<span class="bi bi-star-fill"></span>

<span class="bi bi-star-fill"></span>

<span class="bi bi-star-fill"></span>

<span class="bi bi-star-fill"></span>

</div>

<div class="card-footer">

View Course

</div>

</div>

</div>

</body>

</html>