In Bootstrap 3, there used to be classes called *.hidden* and *.visible,* they were used for showing or hiding contents of different screen sizes. We can declare class like *.visible-xs-** to display content on extra small screens and that would trigger the display property to make these happen behind the scenes. Also there used to be classes like *.hidden-sm* or *.hidden-md* to hide contents from users in small, medium or other screen sizes. Those are all gone in the new Bootstrap 4 edition.

Instead, there is a new utility called 'd' for display and we can do more than hidden and visible utilities. So, we can always start by following the format as below:

.d-{value} for xs

.d-{breakpoint}-{value} for sm, md, lg, and xl

The notations we can have at the place of values are as follows

none

inline

inline-block

block

table

table-cell

table-row

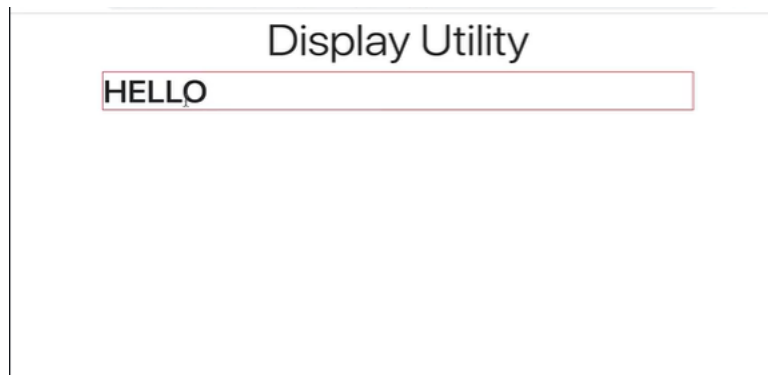*flex*

inline-flex

These are all from CSS. This is a way of changing a display of a content. It's a display property.

<div class= "container">

       <h1 class= "text-center display-4">Display Utility</h1>

       <h1 class= "border border-danger">HELLO</h1>
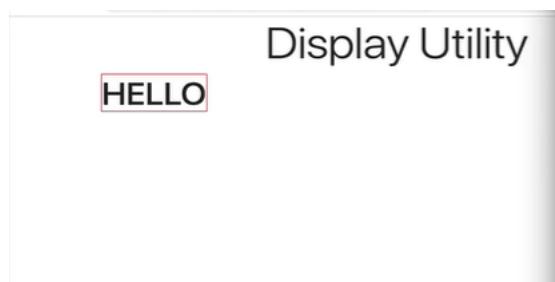
</div>

Output:

By default, this content is a block level element.

But if we want, we can say that this h1 is now inline by using the class *d-inline.* So, we write our code as follows.

<div class= "container">

*   <h1 class= "text-center display-4">Display Utility</h1>*
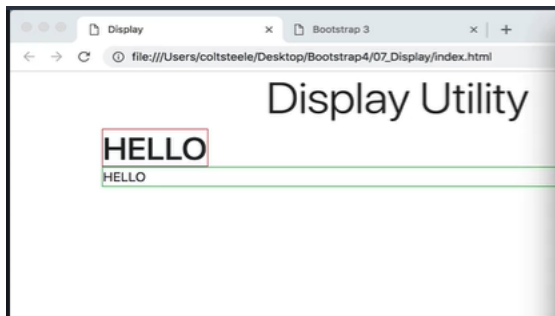
*   <h1 class= "border border-danger d-inline">HELLO</h1>*

</div>

Output:

So, there we go, its now an inline level element.

That's one way of using it. Another way of using this property is by using span.

<div class= "container">

       <h1 class= "text-center display-4">Display Utility</h1>

       <h1 class= "border border-danger d-inline">HELLO</h1>

       HELLO

</div>

Output:

Now we will focus more on the responsive utilities using the breakpoints where we can hide and show things between different breakpoints. The syntax for that would be

.d-{breakpoint}-{value} for sm, md, lg, and xl

Now for example we want to hide a content as our screen hits extra large. Then our code will be like below
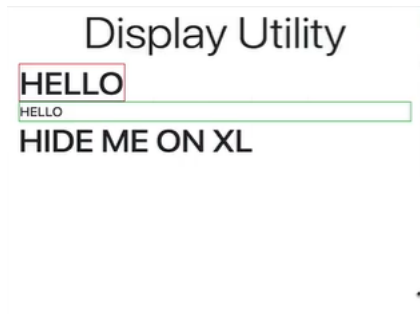
<div class= "container">

       <h1 class= "text-center display-4">Display Utility</h1>

       <h1 class= "border border-danger d-inline">HELLO</h1>

       HELLO

       *<h1 class= "**d-xl-none**">HIDE ME ON XL</h1>*

</div>

Output

Extra small, small, medium and large screen

Display Utility
HELLO
HELLO
HIDE ME ON XL

Extra large screens

Display Utility
HELLO
HELLO

<div class= "container">

      <h1 class= "text-center display-4">Display Utility</h1>

      <h1 class= "border border-danger d-inline">HELLO</h1>

      HELLO

      *<h1 class= "**d-xl-none**">HIDE ME ON XL</h1>*

      *<h1 class= "**d-none d-lg-block d-xl-none**">ALWAYS HIDDEN EXCEPT LG</h1>*

</div>

Output:

For screens extra small, small and medium

Display Utility

HELLO

HELLO

HIDE ME ON XL

Large

Display Utility

HELLO

HELLO

HIDE ME ON XL

ALWAYS HIDDEN EXCEPT LG