What is BOOTSTRAP?

BOOTSTRAP is a free and one of the popular open source CSS framework that allows us to build fast responsive websites. It contains CSS and option JAVASCRIPT base design template forms, button & nav...

How Alls Used

Advantages of Bootstrap

- Supports Responsive Design: Bootstrap automatically adapt to the screen sizes of multiples devices.
- Saves a lot of Development time: Instead of writing codes from scratch, bootstrap offers ready made blocks of codes to suit application requirements.
- Consistency: Bootstrap was develop to encourage consistency across the internal tools by giving the developer a centralise code base.
- Customizable: Bootstrap is also highly customizable (i.e. it allows check and uncheck of whatever features we are working with or not)



Advantages of Bootstrap

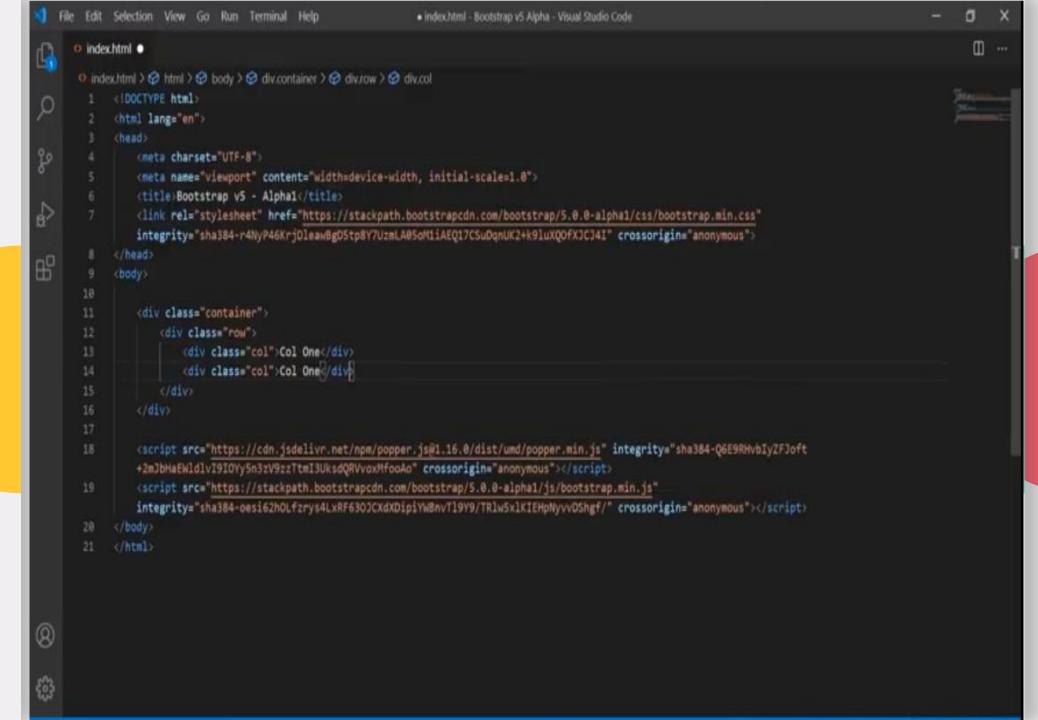
 Support: Bootstrap has a very large community base and excellent documentation (i.e. with examples and demo the webpages allows developer to learn quickly if you are new to it.

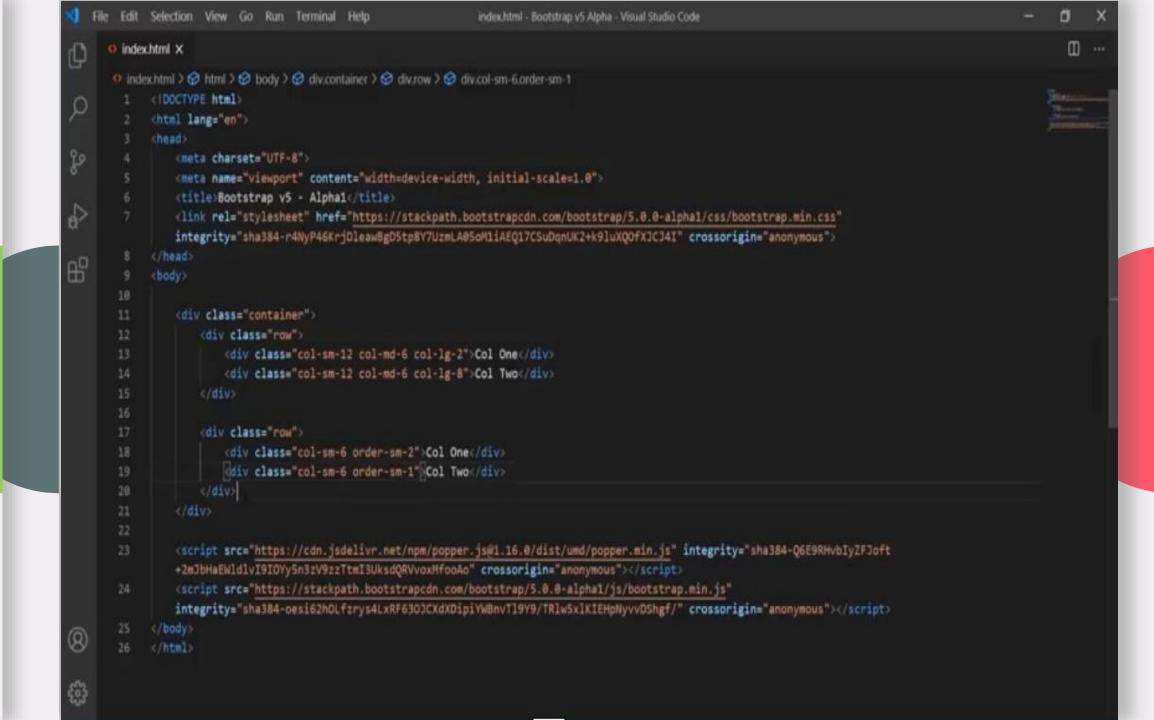
Downloading, setting up and Understanding different bootstrap components

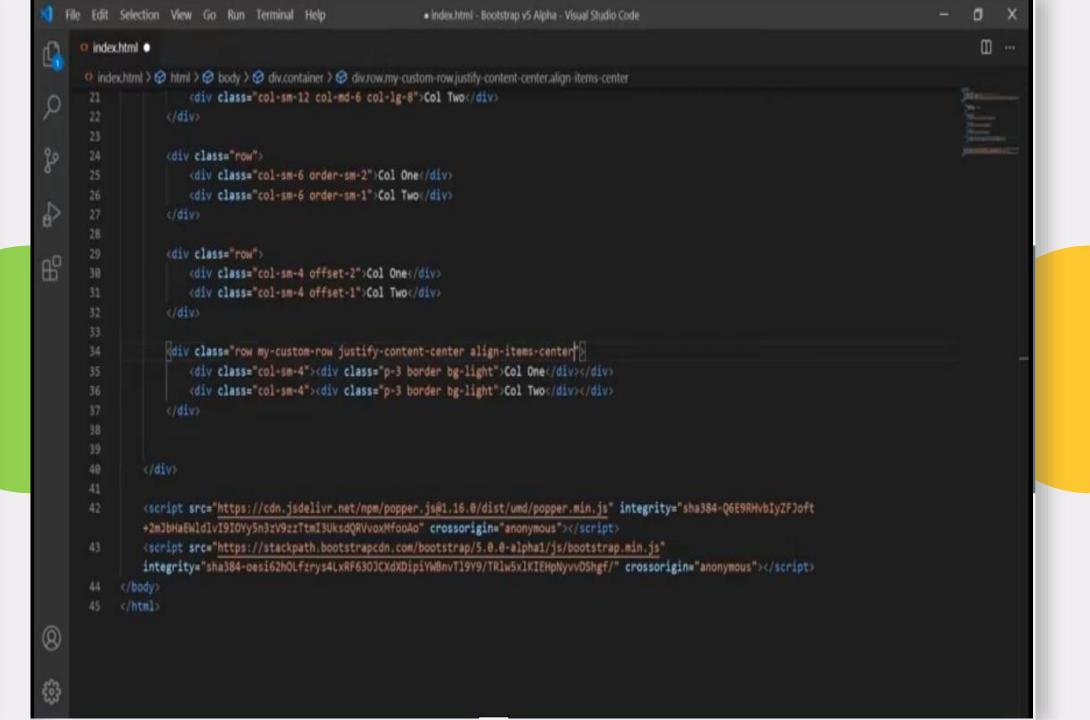
- Visit getbootstrap.com and click get started
- Two ways to get started are :
- i. {Quick way (using bootstrap CDN)}
- ii. {Downloading the source(src) files of bootstrap and include them in a project}

Bootstrap GRID system (How to create page layouts using Bootstrap Grid system)

- The Grid system consist of 12 column and its so flexible that you can create any layout you want.
- Bootstrap Grid classes (set up the layout using bootstrap container and row class respectively follow by our column classes.
- Add a new style sheet (for example, customStyles.css) and link to the html.







Bootstrap Grid System

Bootstrap Grid system is used for creating page layouts through a series of rows and columns. The Grid System consists of 12 columns.



3 column layout using the Bootstrap Grid System

BAR MAIN CONTE	NT AREA RIGHT SIDE BAR

Bootstrap Grid System

<div class="container">

<body>

Bootstrap Grid Classes		
Device	Bootstrap Class	
Extra small devices - Mobile Phones (< 768px)	.col-xs-*	
Small devices - Tablets (≥768px)	.col-sm-*	
Medium devices - Desktops (≥992px)	.col-md-*	
Large devices - Desktops (≥1200px)	.col-lg ^{2k}	

```
<div class="row">
            <div class="col-md-2">Left Side Bar</div>
            <div class="col-md-8">Main Content Area</div>
            <div class="col-md-2">Right Side Bar</div>
        </div>
    </div>
<body>
    <div class="container">
        <div class="row">
            <div class="col-md-2">
               <div class="customDiv">Left Side Bar</div>
           </div>
            <div class="col-md-8">
                <div class="customDiv">Main Content Area</div>
           </div>
            <div class="col-md-2">
                <div class="customDiv">Right Side Bar</div>
           </div>
       </div>
    </div>
```

Bootstrap Grid System

```
LEFT SIDE
              MAIN CONTENT AREA
                                      RIGHT
   BAR
                                    SIDE BAR
                                                        .customDiv{
                                                            margin:3px;
                                                            min-height: 300px;
                                                            background-color:silver;
                                                            text-align:center;
                                                            font-size:large
<div class="container">
    <div class="row">
        <div class="col-md-2">
            <div class="customDiv">LEFT SIDE BAR</div>
        </div>
        <div class="col-md-8">
            <div class="customDiv">MAIN CONTENT AREA</div>
        </div>
        <div class="col-md-2">
            <div class="customDiv">RIGHT SIDE BAR</div>
        </div>
    </div>
```



Bootstrap 3 Grid Classes

Create 2 equal columns on a small device



```
<div class="container">
    <div class="row">
        <div class="col-md-3 col-lg-9 col-sm-6">
            <div class="customDiv">Column 1</div>
        </div>
        <div class="col-md-3 col-lg-3 col-sm-6">
            <div class="customDiv">Column 2</div>
        </div>
        <div class="col-md-3 col-lg-9 col-sm-6">
            <div class="customDiv">Column 3</div>
        </div>
        <div class="col-md-3 col-lg-3 col-sm-6">
            <div class="customDiv">Column 4</div>
        </div>
    </div>
</div>
```

With these Grid classes, you have complete control over the layout of your website on different screen sizes.



Bootstrap Grid Column Offset



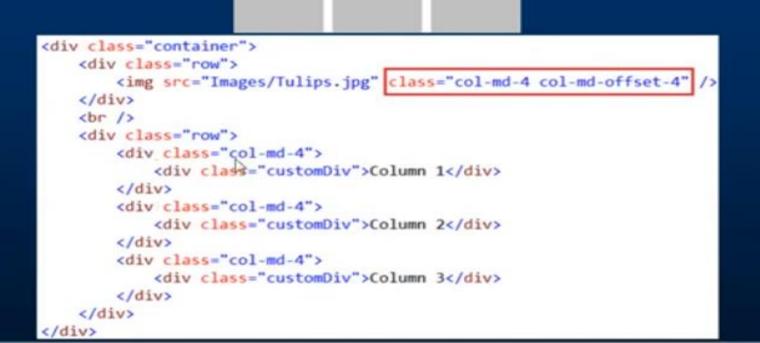
Bootstrap Grid Classes	Bootstrap Offset Classes
.col-xs-*	.col-xs-offset-*
.col-sm-*	.col-sm-offset-*
.col-md-*	.col-md-offset-*
.col-lg-*	.col-lg-offset-*

```
<div class="container">
    <div class="row">
        <div class="col-md-3 col-md-offset-3"
            <div class="customDiv">Column 1</div>
        </div>
        <div class="col-md-3">
            <div class="customDiv">Column 2</div>
       </div>
    </div>
    <div class="row">
        <div class="col-md-3">
            <div class="customDiv">Column 1</div>
        </div>
        <div class="col-md-3">
            <div class="customDiv">Column 2</div>
        </div>
        <div class="col-md-3">
            <div class="customDiv">Column 3</div>
        </div>
        <div class="col-md-3">
            <div class="customDiv">Column 4</div>
       </div>
   </div>
</div>
```



Bootstrap Grid Column Offset

Create 3 equal columns in the second row. Image in the first rowshould be centered.





Bootstrap Grid Column Offset

To make images responsive, add img-responsive class on the img element

```
<div class="container">
    <div class="row">
        <img src="Images/Tulips.jpg" class="col-md-4 col-md-offset-4 img-responsive" />
    </div>
    <br />
    <div class="row">
        <div class="col-md-4">
            <div class="customDiv">Column 1</div>
        </div>
        <div class="col-md-4">
            <div class="customDiv">Column 2</div>
        </div>
        <div class="col-md-4">
            <div class="customDiv">Column 3</div>
        </div>
    </div>
</div>
```



Other bootstrap classes are useful to style an img element

- .img-circle
- .img-thumbnail
- .img-rounded

To Be Continue......

THANKYOU