**BOOTSTRAP NOTES**

**Section 1:- Introduction To Bootstrap**

**About Bootstrap**

1.Open source front-end framework for fast web development.

2.Browser compatibility

3.Promotes Faster Development

4.Helps to enhance UI Skills

**Installation Methods: -**

1.Include the CDN

2.Download and include file from bootstrap .com

3.package manager – NPM/Yarn (Recommended for advanced development).

**Section 2 :- Typography and utilities**

**2.1 Headings and basic Typography**

1.REM Units :-These are basically a multiply units like default convention 1 REM = 16PX;

2.EM Units :- It is dynamic goes by parent size like if parent size is 20 px then 1EM = 20PX;

3. list-unstyled: - To remove the bullets points from the list.

Example:- <ul class="list-unstyled">

      <li >Lorem ipsum dolor sit amet.</li>

      <li>Lorem ipsum dolor sit amet.</li>

      <li>Lorem ipsum dolor sit amet.</li>

      <li>Lorem ipsum dolor sit amet.</li>

    </ul>

4. list Inline :- To inline the list used list inline function but this functionalities should be added to both <ul> and <li> tag.

<ul class="list-inline">

      <li class="list-inline-item">Lorem ipsum</li>

      <li class="list-inline-item">Lorem ipsum </li>

      <li class="list-inline-item">Lorem ipsum </li></ul>

**2.2 Text alignment and display classes**

1.text-justify :- to justify the text in the paragraph use text-justify tag.

2.To align the text use

* Text-left :- align the text left
* Text-right :- align the text right
* Text-center :- align the text center
* <!-- ALIGNMENT -->
* <p class="text-left">Text aligned left</p>
* <p class="text-right">Text aligned center</p>
* <p class="text-center">Text aligned right</p>

3.For responsive alignment within the page.

Four parameter are there :- small(sm) , medium(md) , large(lg), extra-large(xl)

<!-- RESPONSIVE ALIGN -->

    <p class="text-sm-right">Right aligned on small or larger</p>

    <p class="text-md-right">Right aligned on medium or larger</p>

    <p class="text-lg-right">Right aligned on large or larger</p>

    <p class="text-xl-right">Right aligned on xl or larger</p>

4.Vertical Alignment :-

Keynote :- Span element is always a inline alignment.

<!-- VERTICAL ALIGNMENT -->

    <span class="align-baseline"> baseline</span>

    <span class="align-top">top</span>

    <span class="align-bottom">bottom</span>

    <span class="align-middle">middle</span>

    <span class="align-text-top">text-top</span>

    <span class="align-text-bottom">text-bottom<

5.**VERY IMP :-** Convert block elements into inline elements using html class(without using any css properties).

    <!-- TURN BLOCK TO INLINE -->

    <h1 class="d-inline bg-success">Hello</h1>

    <h1 class="d-inline bg-success">Goodbye</h1>

6.Convert inline elements to block elements

<!-- TURN INLINE TO BLOCK --> <span class="d-block bg-success">Block</span>

7.In case of convert block elements into inline elements in div use **“d-inline-block”.**

<div class="d-inline-block bg-warning">

      <h3>Hello</h3>

      This is inline

    </div>

**2.3 Float and Fixed Positions.**

1.Simple Float :- Simple float functionalities

<!-- FLOATS -->

        <div class="float-left">Float left</div>

        <br>

        <div class="float-right">Float right</div>

        <br>

        <div class="float-none">Float none</div>

2.Responsive Float :-

<!-- RESPONSIVE FLOATS -->

        <div class="float-sm-right">Float right on small or wider</div>

        <br>

        <div class="float-md-right">Float right on medium or wider</div>

        <br>

        <div class="float-lg-right">Float right on large or wider</div>

        <br>

        <div class="float-xl-wider">Float right on extra large or wider</div>

        <br>

        <div class="float-sm-left">Float left on small or wider</div>

        <br>

        <div class="float-md-left">Float left on medium or wider</div>

        <br>

        <div class="float-lg-left">Float left on large or wider</div>

        <br>

        <div class="float-xl-left">Float left on extra large or wider</div>

        <br>

        <div class="float-sm-none">Float none on small or wider</div>

        <br>

        <div class="float-md-none">Float none on medium or wider</div>

        <br>

        <div class="float-lg-none">Float none on large or wider</div>

        <br>

        <div class="float-xl-none">Float none on extra large or wider</div>

3.**Very imp:-** Clearfix class is used to give proper alignment so we can give proper effects.

3.1.Without Clearfix

<!-- CLEARFIX -->

        <div class="bg-success ">

            <button class="float-left">Float Left</button>

            <button class="float-right">Float Right</button>

        </div>

3.2.With Clearfix

<!-- CLEARFIX -->

        <div class="bg-success clearfix ">

            <button class="float-left">Float Left</button>

            <button class="float-right">Float Right</button>

        </div>

4.To Fixed something on the top and if you want that element should be fixed on the top whenever to move in the page then use “fixed-top” functionalities.

<h3 class="fixed-top">Fixed Top</h3>

**2.4 Colors and Background**

1.Diffrent colors classes in bootstrap

        <!-- TEXT COLORS -->

        <p class="text-primary">Text Primary Color</p>

        <p class="text-seconday">Text Secondary Color</p>

        <p class="text-sucess">Text Success Color</p>

        <p class="text-info">Text Info Color</p>

        <p class="text-warning">Text Warning Color</p>

        <p class="text-danger">Text Danger Color</p>

        <p class="text-light">Text Light Color</p>

        <p class="text-dark">Text Dark Color</p>

        <p class="text-white">Text White Color</p>

        <p class="text-muted">Text Muted</p>

        <p class="text-black">Text Black 50</p>

      <p class="text-white">Text White 50</p>

2.Link colors

<!-- LINK COLORS -->

        <p>

            <a href="#" class="text-primary">Primary link</a>

        </p>

        <p>

            <a href="#" class="text-secondary">Secondary link</a>

        </p>

        <p>

            <a href="#" class="text-success">Success link</a>

        </p>

        <p>

            <a href="#" class="text-info">Info link</a>

        </p>

        <p>

            <a href="#" class="text-warning">Warning link</a>

        </p>

        <p>

            <a href="#" class="text-danger">Danger link</a>

        </p>

        <p>

            <a href="#" class="text-light">Light link</a>

        </p>

        <p>

            <a href="#" class="text-dark">Dark link</a>

        </p>

        <p>

            <a href="#" class="text-muted"> Muted link</a>

        </p>

        <p>

            <a href="#" class="text-white">White link</a>

        </p>

3.Background Colors(use bg-something:-Syntax)

<!-- BACKGROUND COLORS -->

        <div class="bg-primary text-white">Background Primary Color</div>

        <div class="bg-secondary text-success">Background Secondary Color</div>

        <div class="bg-success">Background Success Color</div>

        <div class="bg-info">Background Info Color</div>

        <div class="bg-warning">Background Warning Color</div>

        <div class="bg-danger">Background Danger Color</div>

        <div class="bg-light text-green">Background Light Color</div>

        <div class="bg-dark">Background Dark Color</div>

        <div class="bg-white text-green">Background White Color</div>

        <div class="bg-transparent">Background Transparent</div>

4.Invisible class :- To hidden elements invisible class is used

<!-- INVISIBLE -->

        <p class="invisible">Hello</p>

**2.5 Margin and Padding Spacing**

**1.Margins**

**Imp Keynote:-** ###SIZE

0 - for classes that eliminate the margin or padding by setting it to 0

1 - (by default) for classes that set the margin or padding to $spacer-x \* .25 or $spacer-y \* .25

2 - (by default) for classes that set the margin or padding to $spacer-x \* .5 or $spacer-y \* .5

3 - (by default) for classes that set the margin or padding to $spacer-x or $spacer-y

4 - (by default) for classes that set the margin or padding to $spacer-x \* 1.5 or $spacer-y \* 1.5

5 - (by default) for classes that set the margin or padding to $spacer-x \* 3 or $spacer-y \* 3

###PROPERTY

m - for classes that set margin

p - for classes that set padding

###SIDES

t - for classes that set margin-top or padding-top

b - for classes that set margin-bottom or padding-bottom

l - for classes that set margin-left or padding-left

r - for classes that set margin-right or padding-right

x - for classes that set both \*-left and \*-right

y - for classes that set both \*-top and \*-bottom

blank - for classes that set a margin or padding on all 4 sides of the element

* 1. **Margin-Bottom:-**

1. <!-- MB MARGIN BOTTOM -->
2. <h1 class=" mb-0 bg-success">Margin Bottom 0</h1>
3. <h1 class="mb-1 bg-success">Margin Bottom 1</h1>
4. <h1 class="mb-3 bg-success">Margin Bottom 2</h1>
5. <h1 class="mb-4 bg-success">Margin Bottom 3</h1>
6. <h1 class="mb-5 bg-success">Margin Bottom 4</h1>
7. <h1 class="mb-6 bg-success">Margin Bottom 5</h1>

**1.2 Margin-Top :-**

 <!-- MT MARGIN TOP -->

        <h1 class="mt-0 bg-success">Margin Top 0</h1>

        <h1 class="mt-1 bg-success">Margin Top 1</h1>

        <h1 class="mt-2 bg-success">Margin Top 2</h1>

        <h1 class="mt-3 bg-success">Margin Top 3</h1>

        <h1 class="mt-4 bg-success">Margin Top 4</h1>

        <h1 class="mt-5 bg-success">Margin Top 5</h1>

**1.3 Margin-Left:-**

<span class=" mr-5 bg-success">Margin Right 5</span> dolor sit amet,

**1.4 Margin-Right:-**

 <span class=" ml-5 bg-success">Margin Left 3 </span> elit. Voluptatum, optio.

**1.5 Margin left and right both :-**

 <span class=" mx-5 bg-success">Margin Left & Right 5</span>, consectetur elit. Voluptatum, optio.</p>

**1.6 Margin Top and Bottom both:-**

<p class=" my-5 bg-success">Margin Top & Bottom 5</p>

**1.7 Margin All Sides :-**

<p class=" m-5 bg-success">Margin All Sides 5</p>

**2.PaddingTypes :-**

**2.1 Padding-Bottom :-**

<!-- PB PADDING BOTTOM -->

        <h1 class="pb-0 bg-warning">Padding Bottom 0</h1>

        <h1 class="pb-1 bg-warning">Padding Bottom 1</h1>

        <h1 class="pb-2 bg-warning">Padding Bottom 2</h1>

        <h1 class="pb-3 bg-warning">Padding Bottom 3</h1>

        <h1 class="pb-4 bg-warning">Padding Bottom 4</h1>

        <h1 class="pb-5 bg-warning">Padding Bottom 5</h1>

**2.2 Padding-Top :-**

<!-- PT PADDING TOP -->

        <h1 class="pt-0 bg-warning">Padding Top 0</h1>

        <h1 class="pt-1 bg-warning">Padding Top 1</h1>

        <h1 class="pt-2 bg-warning">Padding Top 2</h1>

        <h1 class="pt-3 bg-warning">Padding Top 3</h1>

        <h1 class="pt-4 bg-warning">Padding Top 4</h1>

        <h1 class="pt-5 bg-warning">Padding Top 5</h1>

**2.3Padding-Left :-**

<span class=" pl-5 bg-warning">Padding Right 5</span> dolor sit amet,

**2.4 Padding-Right :-**

<span class="pr-5 bg-warning">Padding Left 3 </span> elit. Voluptatum, optio.</p>

**2.5 Padding left-right :-**

 <span class="bg-warning">Padding Left & Right 5</span>, consectetur elit. Voluptatum, optio.</p>

**2.6 Padding top-Bottom :-**

 <p class=" py-5 bg-warning">Padding Top & Bottom 5</p>

**2.7 All Sides Padding :-**

<p class="p-5 bg-warning">Padding All Sides 5</p>

**3.Horizontal Centering :-** <div class="bg-info mx-auto" style="width: 200px;">

**2.6 Sizing and Borders :-**

**1.Width :-**

<div class="bg-success p-3 w-25">Width 25%</div>

        <div class="bg-success p-3 w-50">Width 50%</div>

        <div class="bg-success p-3 w-75">Width 75%</div>

        <div class="bg-success p-3 w-100">Width 100%</div>

        <div class="bg-success p-3 w-auto">Width Auto</div>

**2.Height :-**

<div style="height:300px; border:1px solid #333; ">

            <div class="bg-primary d-inline-block ">Height 25%</div>

            <div class="bg-primary d-inline-block h-50 ">Height 50%</div>

            <div class="bg-primary d-inline-block h-75">Height 75%</div>

            <div class="bg-primary d-inline-block h-100">Height 100%</div>

            <div class="bg-primary d-inline-block h-auto">Height Auto</div>

        </div>

**3.Borders:-**

<div class="p-3 mb-2 bg-light border">Regular</div>

        <div class="p-3 mb-2 bg-light border-top">Border Top</div>

        <div class="p-3 mb-2 bg-light border-bottom">Border Bottom</div>

        <div class="p-3 mb-2 bg-light border-right">Border Right</div>

        <div class="p-3 mb-2 bg-light border-left">Border Left</div>

**1.Border-colors :-**

<div class="p-3 mb-2 bg-light border border-primary">Primary</div>

        <div class="p-3 mb-2 bg-light border border-secondary">Secondary</div>

        <div class="p-3 mb-2 bg-light border border-success">Success</div>

        <div class="p-3 mb-2 bg-light border border-info ">Info</div>

        <div class="p-3 mb-2 bg-light border border-warning">Warning</div>

        <div class="p-3 mb-2 bg-light border border-danger">Danger</div>

        <div class="p-3 mb-2 bg-light border border-light">Light</div>

        <div class="p-3 mb-2 bg-light border border-dark">Dark</div>

        <div class="p-3 mb-2 bg-light border border-white">White</div>

**2.Borders-Radius :-**

 <div class="p-3 mb-2 bg-light border border-success rounded">Rounded</div>

        <div class="p-3 mb-2 bg-light border border-success rounded-top">Rounded Top</div>

        <div class="p-3 mb-2 bg-light border border-success rounded-bottom">Rounded Bottom</div>

        <div class="p-3 mb-2 bg-light border border-success rounded-right">Rounded Right</div>

        <div class="p-3 mb-2 bg-light border border-success rounded-left">Rounded Left</div>

        <div class="p-3 mb-2 bg-light border border-success rounded-circle">Rounded Circle</div>

        <div class="p-3 mb-2 bg-light border border-success rounded-dark">Dark</div>

**3.CSS Breakpoints :-**

 <style>

        /\* Small devices (landscape phones) \*/

        @media (min-width:576px) {

            body{

                background: blue;

            }

        }

        /\* Medium devices (tablets) \*/

        @media (min-width:768px) {

            body{

                background: green;

            }

        }

        /\* Large devices (desktops) \*/

        @media (min-width:992px) {

            body{

                background:yellow;

            }

        }

        /\* Extra large devices (large desktops) \*/

        @media (min-width:1200px) {

            body {

                background: violet;

            }

        }

        /\* The given screen size or smaller \*/

        /\* Extra small devices (portrait phones)\*/

        @media (max-width:575px) {

            body {

                background: coral;

            }

        }

        /\* Small devices (landscape phones)\*/

        @media (max-width:767px) {

            body{

                background: black;

            }

        }

        /\* Medium devices (tablets)\*/

        @media (max-width:997px) {

            body {

                background:red;            }

        }

        /\* Large devices (desktops)\*/

        @media (max-width:119px) {

            body{

                background:grey;

            }

        }

    </style>

**SECTION 3 :- CSS COMPONENTS**

**1.Button and Button Group :-**

**1.**btn is a core of button class.

<!-- BUTTONS -->

        <button class="btn btn-primary" type="button">Primary</button>

        <button class="btn btn-secondary" type="button">Secondary</button>

        <button class ="btn btn-success" type="button">Success</button>

        <button class="btn btn-info" type="button">Info</button>

        <button class="btn btn-button" type="button">Warning</button>

        <button class="btn btn-danger" type="button">Danger</button>

        <button class="btn btn-light" type="button">Light</button>

        <button class="btn btn-dark" type="button">Dark</button>

        <button class="btn btn-link"type="button">Link</button>

**2.Button Tags/Types:-**

<!-- BUTTON TAGS/TYPES -->

        <a class="btn btn-primary" href="#" role="button">Link</a>

        <button class="btn btn-success" type="submit">Button</button>

        <input class="btn btn-light" type="button" value="Input">

        <input class="btn btn-dark" type="submit" value="Submit">

        <input class="btn btn-warning" type="reset" value="Reset">

**3.Outline Buttons:-**

<!-- OUTLINE BUTTONS -->

        <button class="btn btn-outline-primary" type="button">Primary Outline</button>

        <button class="btn btn-outline-secondary"type="button">Secondary Outline</button>

        <button class="btn btn-outline-success"type="button">Success Outline</button>

        <button class="btn btn-outline-info" type="button">Info Outline</button>

        <button class="btn btn-outline-warning"type="button">Warning Outline</button>

        <button class="btn btn-outline-danger" type="button">Danger Outline</button>

        <button class="btn btn-outline-light" type="button">Light Outline</button>

        <button class="btn btn-outline-dark" type="button">Dark Outline</button>

**4.Button Sizes : -**

<!-- BUTTON SIZES -->

        <button class="btn btn-outline-success btn-lg" type="button">

            <i class="fas fa-user"></i> Large button</button>

        <button class="btn btn-warning btn-sm" type="button">Small button</button>

        <br>

        <br>

        <button class="btn btn-block btn-succsess" type="button">Block level button</button>

**5.Button states :-**

1.Active button is used in dynamic web application and mobile application.

2.For toggle we have to add the attributes data-toggle which is equal to button.

button class="btn btn-primary" type="button">Regular Button</button>

        <button class="btn btn-warning active" type="button">Active Button</button>

        <button class="btn btn-success disabled"type="button">Disabled Button</button>

        <button class="btn btn-primary" type="button" data-toggle="button">

            Toggle State

        </button>

6.Button Groups:-

6.1 Btn-group classs is mandatory to grouping of various buttons.

button class="btn btn-primary" type="button">Regular Button</button>

        <button class="btn btn-warning active" type="button">Active Button</button>

        <button class="btn btn-success disabled"type="button">Disabled Button</button>

        <button class="btn btn-primary" type="button" data-toggle="button">

            Toggle State

        </button>

7.Button Toolbar:-

1.btn-toolbar class is the mandatory class to generate toolbar of buttons.

<div class="button-toolbar">

            <div class="btn-group mr-2">

                <button class="btn btn-primary" type="button">1</button>

                <button class="btn btn-primary" type="button">2</button>

                <button class="btn btn-primary" type="button">3</button>

                <button class="btn btn-primary" type="button">4</button>

            </div>

            <div class="btn-group mr-2">

                <button class="btn btn-warning" type="button">5</button>

                <button class="btn btn-warning" type="button">6</button>

                <button class="btn btn-warning" type="button">7</button>

            </div>

            <div class="btn-group mr-2">

                <button class="btn btn-dark" type="button">8</button>

            </div>

**8.Vertical Group :-**

  <!-- VERTICAL GROUP -->

        <div class="btn-group-vertical">

            <button class="btn btn-primary" type="button">Left</button>

            <button class="btn btn-primary" type="button">Middle</button>

            <button class="btn btn-primary" type="button">Right</button>

        </div>

**9.DropDowns:-**

<div class="dropdown">

            <button class="btn btn-primary dropdown-toggle" type="button" data-toggle="dropdown">

                My Dropdown

            </button >

            <div class="dropdown-menu">

                <a class=" dropdown-item" href="#">Link One</a>

                <a  class=" dropdown-item" href="#">Link Two</a>

                <a  class=" dropdown-item" href="#">Link Three</a>

            </div>

        </div>

**10.Split Dropdowns :-**

8.1 To split the dropdowns dropdown divider class is used.

        <!-- SPLIT DROPDOWNS -->

        <div class="btn-group">

            <button class="btn btn-primary" type="button">My Button</button>

            <button class="btn btn-secondary dropdown-toggle" data-toggle="dropdown" type="button">

                <span>Toggle Dropdown</span>

            </button >

            <div class="dropdown-menu" >

                <a class="dropdown-item" href="#">Link One</a>

                <a class="dropdown-item" href="#">Link Two</a>

                <div class="dropdown-divider"></div>

                    <a class="dropdown-item" href="#">Link Three</a>

            </div>

**2.Navbar and NAVS**

**2.1 Simple Navbars:-**

1.Nav Bars should be in the container.

<nav class="navbar navbar-expand-sm navbar-light bg-light">

            <div class="container">

                <a class="navbar-brand" href="#">Navbar</a>

                <ul class="navbar-nav">

                    <li class="nav-item">

                        <a class="nav-link" href="#">Home</a>

                    </li>

                    <li class= "nav-item">

                        <a class="nav-link" href="#">About</a>

                    </li>

                    <li class="nav-item">

                        <a class="nav-link" href="#">Services</a>

                    </li>

                    <li class="nav-item">

                        <a class="nav-link" href="#">Contact</a>

                    </li>

                </ul>

            </div>

        </nav>

**2. Nav bar with toggle:-**

<nav class="navbar navbar-expand-sm navbar-light bg-light">

        <div class="container">

            <a class="navbar-brand" href="#">Navbar</a>

            <button class="navbar-toggler" data-toggle="collapse" data-target="#navbarNav">

                <span class="navbar-toggler-icon"></span>

            </button>

            <div class="collapse navbar-collapse" id="navbarNav">

                <ul class="navbar-nav">

                    <li class="nav-item">

                        <a class="nav-link" href="#">Home</a>

                    </li>

                    <li class= "nav-item">

                        <a class="nav-link" href="#">About</a>

                    </li>

                    <li class="nav-item">

                        <a class="nav-link" href="#">Services</a>

                    </li>

                    <li class="nav-item">

                        <a class="nav-link" href="#">Contact</a>

                    </li>

                </ul>

            </div>

        </nav>

            </div>

**3.Navbar with form:-** Putting a search type form in navbar.

1.For Creating a form use class form.form-inline.

2.for creating a input in form use clas input.form-control.

3.For creating a button use class button.btn.btn-outline-success

 <nav class="navbar navbar-expand-sm navbar-light bg-light">

        <div class="container">

            <a class="navbar-brand" href="#">Navbar</a>

            <button class="navbar-toggler" data-toggle="collapse" data-target="#navbarNav">

                <span class="navbar-toggler-icon"></span>

            </button>

            <div class="collapse navbar-collapse" id="navbarNav">

                <ul class="navbar-nav">

                    <li class="nav-item">

                        <a class="nav-link" href="#">Home</a>

                    </li>

                    <li class= "nav-item">

                        <a class="nav-link" href="#">About</a>

                    </li>

                    <li class="nav-item">

                        <a class="nav-link" href="#">Services</a>

                    </li>

                    <li class="nav-item">

                        <a class="nav-link" href="#">Contact</a>

                    </li>

                </ul>

                <form  class="form-inline ml-auto">

                    <input type="text" class="form-control mr-2" placeholder="search">

                    <button class="btn btn-outline-success">Search</button>

                </form>

            </div>

        </nav>

            </div>

**4. Navbar with dropdowns:-**

1.use li.nav.bar-dropdown

    <nav class="navbar navbar-expand-sm navbar-light bg-light mb-3">

        <div class="container">

            <a class="navbar-brand" href="#">Navbar</a>

            <ul class="navbar-nav">

                <li class="nav-item">

                    <a class="nav-link" href="#">Home</a>

                </li>

                <li class= "nav-item">

                    <a class="nav-link" href="#">About</a>

                </li>

                <li class="nav-link dropdown">

                    <a href="" class="nav link dropdown-toggle" data-toggle="dropdown">dropdown</a>

                    <div class="dropdown-menu">

                        <a href="" class="dropdown-item">Link1</a>

                        <a href="" class="dropdown-item">Link2</a>

                        <a href="" class="dropdown-item">Link3</a>

                        <a href="" class="dropdown-item">Link4</a>

                    </div>

                </li>

                <li class="nav-item">

                    <a class="nav-link" href="#">Services</a>

                </li>

                <li class="nav-item">

                    <a class="nav-link" href="#">Contact</a>

                </li>

            </ul>

        </div>

    </nav>

**Keynote:- nav-pills is to inline the elements**

**3.List Groups and Badges:-**

**List Groups:-**

<!-- LIST GROUP -->

        <ul class="list-group mb-3" >

            <li class="list-group-item">My List Item One</li>

            <li class="list-group-item">My List Item Two</li>

            <li  class="list-group-item">My List Item Three</li>

            <li  class="list-group-item">My List Item Four</li>

            <li class="list-group-item">My List Item Five</li>

        </ul>

**Contextual classes :-**

<!-- CONTEXTUAL CLASSES -->

        <ul class="list-group">

            <li class="list-group-item list-group-item-primary">Regular List Item</li>

            <li  class="list-group-item list-group-item-warning">Primary List Item</li>

            <li  class="list-group-item list-group-item-success">Secondary List Item</li>

            <li  class="list-group-item list-group-item-dark">Success List Item</li>

            <li  class="list-group-item list-group-item-light">Info List Item</li>

            <li  class="list-group-item list-group-item-info">Warning List Item</li>

            <li  class="list-group-item list-group-item-primary">Danger List Item</li>

            <li  class="list-group-item list-group-item-danger">Light List Item</li>

            <li  class="list-group-item list-group-item-dark">Dark List Item</li>

</ul>

**Flush List Group:-** Flush means without border.

 <!-- FLUSH LIST GROUP -->

        <ul class="list-group list-group-flush mb-4">

            <li class="list-group-item list-group-item-success">My List Item One</li>

            <li class="list-group-item">My List Item Two</li>

            <li class="list-group-item">My List Item Three</li>

            <li class="list-group-item">My List Item Four</li>

            <li class="list-group-item">My List Item Five</li>

        </ul>

**BADGE :-**

  <!-- BADGE -->

        <ul class="list-group">

            <li class="list-group-item">My List Item One</li>

            <li class="list-group-item">My List Item Two

            <span class="badge badge-primary">30</span></li>

            <li class="list-group-item">My List Item Three</li>

            <li class="list-group-item">My List Item Four</li>

            <li class="list-group-item">My List Item Five</li>

        </ul>

**Breadcrumb:-** Always used only in <ol>

<!-- BREADCRUMB -->

        <ol class="breadcrumb">

            <li class="breadcrumb-item">Home</li>

        </ol>

        <ol class="breadcrumb">

            <li class="breadcrumb-item">

                <a href="#">Home</a>

            </li>

            <li class="breadcrumb-item">Users</li>

        </ol>

        <ol class="breadcrumb">

            <li class="breadcrumb-item">

                <a href="#">Home</a>

            </li>

            <li class="breadcrumb-item">

                <a href="#">Users</a>

            </li>

            <li class="breadcrumb-item">Brad</li>

        </ol>

    </div>

**4.Forms and input :-**

1.To Mute a text “text-muted” class is used.

**Forms(Complete form representation):-**

<!-- FORM -->

        <form>

            <!-- TEXT FIELD GROUPS -->

            <div class="form-group">

                <label for="name">Name</label>

                <input class="form-control"type="text" id="name" placeholder="Enter name">

            </div>

            <div class="form-group">

                <label for="email">Email address</label>

                <input class="form-control" type="email" id="email" placeholder="Enter email">

                <small class="form-text text-muted">Your email id would not be shared</small>

            </div>

            <div class="form-group">

                <label for="company">Company</label>

                <input class="form-control form-control-sm" type="text" id="company" placeholder="Enter company name">

            </div>

            <div class="form-group">

                <label for="password">Password</label>

                <input class="form-control " type="password" id="password" placeholder="Password" readonly>

            </div>

            <!-- SELECT -->

            <div class="form-group">

                <label for="gender">Gender</label>

                <select class="form-control" id="gender">

                    <option>Male</option>

                    <option>Female</option>

                </select>

            </div>

            <!-- TEXTAREA -->

            <div class="form-group">

                <label  for="message">Message</label>

                <textarea class="form-control" id="message" rows="3"></textarea>

            </div>

            <!-- FILE INPUT -->

            <div class="form-group">

                <label for="file">File input</label>

                <input class="form-control-file" type="file" id="file">

                <small class="form-text text-muted" id="fileHelp">Max 3mb size</small>

            </div>

            <!-- CUSTOM FILE INPUT -->

            <div class="custom-file">

                <input class="custom-file-input" type="file" id="myfile">

                <label class="custom-file-label" for="myfile">Choose file</label>

            </div>

            <br>

            <br>

            <!-- RANGE -->

            <div class="form-group">

                <label for="membership">Membership Level</label>

                <input class="custom-range" min="1" max="100" step="1" value="1" type="range">

            </div>

            <br>

            <button class="btn btn-primary btn-block" type="submit">Submit</button>

        </form>

        <br>

        <br>

**Inline Form :-**

<!-- INLINE FORM -->

        <form class="form-inline">

            <input  class="form-control mr-3" type="text" id="username" placeholder="Enter username">

            <input class="form-control mr-3" type="text" id="password" placeholder="Password">

            <div class="form-check mr-3" >

                <label class="form-check-label">

                    <input class="form-check-input" type="checkbox"> Remember me

                </label>

            </div>

            <button class="btn btn-primary" type="submit">Submit</button>

        </form>

**Form with row:-**

<form>

            <div class="form-row">

                <div class="col">

                    <input class="form-control" type="text" placeholder="First name">

                </div>

                <div class="col">

                    <input class="form-control" type="text" placeholder="Last name">

                </div>

            </div>

        </form>

**Form Validation :-**

<!-- VALIDATION -->

        <div class="form-group">

            <label for="username">Username</label>

            <input class="form-control" type="text" id="username">

        </div>

        <div class="form-group">

            <label for="password">Password</label>

            <input  class="form-control is-valid" type="text" id="password">

            <div>

                Password not strong enough

            </div>

        </div>

        <div class="form-group">

            <label for="password2">Confirm Password</label>

            <input  class="form-control is-invalid" type="text" id="password2">

            <div>

                Password does not match

            </div>

        </div>

**5.Input Groups and Addons :-**

**Basic Input groups :-**

<!-- BASIC INPUT GROUPS -->

        <div class="input-group">

            <div class="input-group-prepend">

                <span class="input-group-text">@</span>

            </div>

            <input  classs="form-control" type="text" placeholder="Username">

        </div>

 <div class="input-group">

            <input class="form-control" type="text" placeholder="Username">

            <div class="input-group-append">

                <span class="input-group-text">@something.com</span>

            </div>

        </div>

        <br>

        <label for="basic-url">Custom URL</label>

        <div class="input-group">

            <div class="input-group-prepend">

                <span class="input-group-text">  https://something.com/member/</span>

            </div>

            <input type="text">

        </div>

        <br>

        <div class="input-group">

            <div class="input-group-prepend">

                <span class="input-group-text">$</span>

            </div>

            <input class="form-control" type="text">

            <div class="input-group-append">

                <span class="input-group-text">.00</span>

            </div>

        </div>

**Checkbox :-**

 <!-- CHECKBOX -->

        <div class="input-group">

            <div class="input-group-prepend">

                <div class="input-group-text">

                    <input type="checkbox">

                </div>

            </div>

            <input class="form-control" type="text">

        </div>

        <br>

        <!-- RADIO -->

        <div class="input-group">

            <div class="input-group-prepend">

                <div class="input-group-text">

                    <input type="radio">

                </div>

            </div>

            <input class="form-control" type="text">

        </div>

        <br>

        <!-- MULTIPLE INPUTS -->

        <div class="input-group">

            <div class="input-group-prepend">

                <span class="input-group-text" id="">Name & Email</span>

            </div>

            <input class="form-control" type="text" placeholder="Full Name">

            <input class="form-control" type="email" placeholder="Email">

        </div>

        <br>

**6.Alert and progress bars:-**

**Alerts:-**

 <div class="alert alert-primary">

            <strong>Primary</strong> Blog post added

        </div>

        <div class="alert alert-secondary">

            <strong>Secondary</strong> Blog post added

        </div>

        <div class="alert alert-success">

            <strong>Success</strong> Blog post added

        </div>

        <div class="alert alert-danger">

            <strong>Danger</strong> Please check the log files

        </div>

        <div class="alert alert-info">

            <strong>Info</strong> You have a new message

        </div>

        <div class="alert alert-warning">

            <strong>Warning</strong> Please check the log files

        </div>

        <div class="alert alert-light">

            <strong>Light</strong> Please check the log files

        </div>

        <div class="alert alert-dark">

            <strong>Dark</strong> Please check the log files

        </div>

**Dismissible Alert :-**

<div class="alert alert-success alert-dismissible">

            <button class="close" data-dismiss="alert" type="button">

                <span>&times;</span>

            </button>

            <strong>Dismissable</strong> Blog post added

        </div>

**Extra Content :-**

 <!-- EXTRA CONTENT -->

        <div class="alert alert-success">

            <h4 class="alert-heading">Congrats!</h4>

            <p>Lorem ipsum dolor sit amet consectetur adipisicing elit. Velit dignissimos eius, sit quo assumenda totam commodi

                ipsum saepe molestias eligendi exercitationem repudiandae qui facilis deserunt non, harum ab quam? Cumque</p>

            <hr>

            <p>Lorem ipsum dolor sit amet, consectetur adipisicing elit. Iure, odio?</p>

        </div>

**Progress Bars:-**

 <div class="progress">

            <div class="progress-bar bg-success"  style="width:20%">20</div>

            <div class="progress-bar bg-warning"  style="width:50%">50</div>

            <div class="progress-bar bg-dark"  style="width:30%"><a href="#">30</a></div>

        </div>

<div class="progress" style="height:10px">

            <div class="progress-bar bg-warning progress-bar-striped progress-bar-animated " style="width:100%"></div>

        </div>

**7.Tables and Pagination :-**

 <!-- TABLE -->

        <table class="table">

            <thead>

                <tr>

                    <th>#</th>

                    <th>First Name</th>

                    <th>Last Name</th>

                    <th>Email</th>

                </tr>

            </thead>

            <tbody>

                <tr>

                    <th scope="row">1</th>

                    <td>John</td>

                    <td>Doe</td>

                    <td>jdoe@gmail.com</td>

                </tr>

                <tr>

                    <th scope="row">2</th>

                    <td>Will</td>

                    <td>Johnson</td>

                    <td>will@yahoo.com</td>

                </tr>

                <tr>

                    <th scope="row">3</th>

                    <td>Shannon</td>

                    <td>Williams</td>

                    <td>shannon@yahoo.com</td>

                </tr>

            </tbody>

        </table>

        <br>

        <!-- INVERSE/DARK TABLE -->

        <table class="table table table-dark">

            <thead>

                <tr>

                    <th>#</th>

                    <th>First Name</th>

                    <th>Last Name</th>

                    <th>Email</th>

                </tr>

            </thead>

            <tbody>

                <tr>

                    <th scope="row">1</th>

                    <td>John</td>

                    <td>Doe</td>

                    <td>jdoe@gmail.com</td>

                </tr>

                <tr>

                    <th scope="row">2</th>

                    <td>Will</td>

                    <td>Johnson</td>

                    <td>will@yahoo.com</td>

                </tr>

                <tr>

                    <th scope="row">3</th>

                    <td>Shannon</td>

                    <td>Williams</td>

                    <td>shannon@yahoo.com</td>

                </tr>

            </tbody>

        </table>

        <br>

        <!-- TABLE HEAD INVERSE -->

        <table class="table">

            <thead class=" thead thead-dark">

                <tr>

                    <th>#</th>

                    <th>First Name</th>

                    <th>Last Name</th>

                    <th>Email</th>

                </tr>

            </thead>

            <tbody>

                <tr>

                    <th scope="row">1</th>

                    <td>John</td>

                    <td>Doe</td>

                    <td>jdoe@gmail.com</td>

                </tr>

                <tr>

                    <th scope="row">2</th>

                    <td>Will</td>

                    <td>Johnson</td>

                    <td>will@yahoo.com</td>

                </tr>

                <tr>

                    <th scope="row">3</th>

                    <td>Shannon</td>

                    <td>Williams</td>

                    <td>shannon@yahoo.com</td>

                </tr>

            </tbody>

        </table>

        <br>

        <!-- STRIPED TABLE -->

        <table class="table table-success table-striped">

            <thead>

                <tr>

                    <th>#</th>

                    <th>First Name</th>

                    <th>Last Name</th>

                    <th>Email</th>

                </tr>

            </thead>

            <tbody>

                <tr>

                    <th scope="row">1</th>

                    <td>John</td>

                    <td>Doe</td>

                    <td>jdoe@gmail.com</td>

                </tr>

                <tr>

                    <th scope="row">2</th>

                    <td>Will</td>

                    <td>Johnson</td>

                    <td>will@yahoo.com</td>

                </tr>

                <tr>

                    <th scope="row">3</th>

                    <td>Shannon</td>

                    <td>Williams</td>

                    <td>shannon@yahoo.com</td>

                </tr>

            </tbody>

        </table>

        <!-- BORDERED TABLE -->

        <table class="table table-bordered">

            <thead>

                <tr>

                    <th>#</th>

                    <th>First Name</th>

                    <th>Last Name</th>

                    <th>Email</th>

                </tr>

            </thead>

            <tbody>

                <tr>

                    <th scope="row">1</th>

                    <td>John</td>

                    <td>Doe</td>

                    <td>jdoe@gmail.com</td>

                </tr>

                <tr>

                    <th scope="row">2</th>

                    <td>Will</td>

                    <td>Johnson</td>

                    <td>will@yahoo.com</td>

                </tr>

                <tr>

                    <th scope="row">3</th>

                    <td>Shannon</td>

                    <td>Williams</td>

                    <td>shannon@yahoo.com</td>

                </tr>

            </tbody>

        </table>

        <br>

        <!-- BORDERLESS TABLE -->

        <table class="table table-borderless">

            <thead>

                <tr>

                    <th>#</th>

                    <th>First Name</th>

                    <th>Last Name</th>

                    <th>Email</th>

                </tr>

            </thead>

            <tbody>

                <tr>

                    <th scope="row">1</th>

                    <td>John</td>

                    <td>Doe</td>

                    <td>jdoe@gmail.com</td>

                </tr>

                <tr>

                    <th scope="row">2</th>

                    <td>Will</td>

                    <td>Johnson</td>

                    <td>will@yahoo.com</td>

                </tr>

                <tr>

                    <th scope="row">3</th>

                    <td>Shannon</td>

                    <td>Williams</td>

                    <td>shannon@yahoo.com</td>

                </tr>

            </tbody>

        </table>

        <br>

**Table Hoverable :-**

<!-- HOVERABLE -->

        <table class="table table-hover">

            <thead>

                <tr class="table table-success">

                    <th>#</th>

                    <th>First Name</th>

                    <th>Last Name</th>

                    <th>Email</th>

                </tr>

            </thead>

            <tbody>

                <tr class="table table-warning">

                    <th scope="row">1</th>

                    <td>John</td>

                    <td>Doe</td>

                    <td>jdoe@gmail.com</td>

                </tr>

                <tr class="table table-primary">

                    <th scope="row">2</th>

                    <td>Will</td>

                    <td>Johnson</td>

                    <td>will@yahoo.com</td>

                </tr>

                <tr class="table table-light">

                    <th scope="row">3</th>

                    <td>Shannon</td>

                    <td>Williams</td>

                    <td>shannon@yahoo.com</td>

                </tr>

            </tbody>

        </table>

        <br>

**Responsive Table (Difficult to build)**

  <!-- RESPONSIVE TABLE - Scrollbars -->

        <div class="table-responsive">

            <table class="table">

                <thead>

                    <tr>

                        <th>#</th>

                        <th>First Name</th>

                        <th>Last Name</th>

                        <th>Email</th>

                    </tr>

                </thead>

**Pagination :-**

<!-- PAGINATION -->

        <nav>

            <ul class="pagination ">

                <li class="page-item">

                    <a  class="page-link active" href="#">Previous</a>

                </li>

                <li class="page-item">

                    <a class="page-link disabled" href="#">1</a>

                </li>

                <li class="page-item">

                    <a class="page-link" href="#">2</a>

                </li>

                <li class="page-item">

                    <a  class="page-link" href="#">3</a>

                </li>

                <li class="page-item">

                    <a class="page-link" href="#">Next</a>

                </li>

            </ul>

        </nav>

        <!-- PAGINATION CENTERED -->

        <nav>

            <ul class="pagination justify-content-center">

                <li class="page-item">

                    <a  class="page-link active" href="#">Previous</a>

                </li>

                <li class="page-item">

                    <a class="page-link disabled" href="#">1</a>

                </li>

                <li class="page-item">

                    <a class="page-link" href="#">2</a>

                </li>

                <li class="page-item">

                    <a  class="page-link" href="#">3</a>

                </li>

                <li class="page-item">

                    <a class="page-link" href="#">Next</a>

                </li>

            </ul>

        </nav>

        <!-- PAGINATION RIGHT -->

        <!-- PAGINATION LARGE -->

        <!-- PAGINATION SMALL -->

        <!-- WITH ARROWS -->

        <nav>

            <ul class="pagination ">

                <li class="page-item">

                    <a  class="page-link active" href="#"><span>&laquo;</span></a>

                </li>

                <li class="page-item">

                    <a class="page-link disabled" href="#">1</a>

                </li>

                <li class="page-item">

                    <a class="page-link" href="#">2</a>

                </li>

                <li class="page-item">

                    <a  class="page-link" href="#">3</a>

                </li>

                <li class="page-item">

                    <a class="page-link" href="#"><span>&raquo;</span></a>

                </li>

            </ul>

        </nav>

**8.Working with Cards(New concept in bootstrap 4)**

<div class="container">

        <!--#####################START HERE#####################-->

        <!-- BLOCK -->

        <div class="card">

            <div class="card-body">

                Lorem ipsum dolor sit amet, consectetur adipisicing elit. Delectus, voluptate.

            </div>

        </div>

        <br>

        <br>

        <!-- SIMPLE CARD -->

        <div class="card">

            <div class="card-body " style="width:30%">

                <h4 class="card-title">Card Title</h4>

                <h6 class="card-subtitle text-muted">Card subtitle</h6>

                <p>Lorem ipsum dolor sit amet, consectetur adipisicing elit. Illo, quas.</p>

                <a class="btn btn-outline-primary active" href="#">Read More</a>

            </div>

        </div>

        <br>

        <br>

        <!-- CARD WITH IMAGE -->

        <div class="card">

            <img class="class-img-top" src="https://source.unsplash.com/random/300x200" alt="">

            <div class="card-body">

                <h4 class="card-title" >Card Title</h4>

                <p>Lorem ipsum dolor sit amet, consectetur adipisicing elit. Illo, quas.</p>

                <a class="btn btn-outline-warning btn-block" href="#">Read More</a>

            </div>

        </div>

        <br>

        <br>

        <!-- CARD WITH HEADER -->

        <div class="card">

            <div class="class-header">

                My Card

            </div>

            <div class="card-body">

                <h4>Card Title</h4>

                <p class="card-text">Lorem ipsum dolor sit amet, consectetur adipisicing elit. Aut, perspiciatis.</p>

                <a class="btn btn-danger" href="#">Read More</a>

            </div>

        </div>

        <br>

        <br>

        <!-- HEADER, FOOTER, CENTERED -->

        <div class="card text-center">

            <div class="card-header">

                My Card

            </div>

            <div class="card-body">

                <h4 class="card-title">Card Title</h4>

                <p class="card-text">Lorem ipsum dolor sit amet, consectetur adipisicing elit. Aut, perspiciatis.</p>

                <a class="btn btn-dark" href="#">Read More</a>

            </div>

            <div class="card-footer text-muted">

                2 Days Ago

            </div>

        </div>

        <br>

        <br>

        <!-- CARD WITH NAV -->

        <div class="card">

            <div class="card-header">

                <ul class="nav nav-tabs card-header-tabs">

                    <li class="nav-item">

                        <a  class="nav-link"href="#">Active</a>

                    </li>

                    <li>

                        <a class="nav-link" href="#">Link</a>

                    </li>

                    <li>

                        <a class="nav-link disabled" href="#">Disabled</a>

                    </li>

                </ul>

            </div>

            <div class="card-body">

                <h4 class="card-title">Card Title</h4>

                <p class="card-text">Lorem ipsum dolor sit amet, consectetur adipisicing elit. Aut, perspiciatis.</p>

                <a class="btn btn-primary btn-block" href="#">Read More</a>

            </div>

        </div>

        <br>

        <br>

        <!-- IMAGE OVERLAYS -->

        <div class="card text-white">

            <img class="card-img" src="https://source.unsplash.com/random/1000x300" alt="">

            <div class="card-img-overlay">

                <h4 class="card-title">Card title</h4>

                <p class="card-text">This is a wider card with supporting text below as a natural lead-in to additional content. This content

                    is a little bit longer.</p>

                <p>

                    <small class="text-muted">Last updated 3 mins ago</small>

                </p>

            </div>

        </div>

        <br>

        <br>

        <!-- BACKGROUND COLOR -->

        <div class="card bg-primary tezt-white">

            <div class="card-header">Header</div>

            <div class="card-body">

                <h4 class="card-title">Primary card title</h4>

                <p class="card-text">Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod</p>

            </div>

        </div>

        <div>

            <div>Header</div>

            <div>

                <h4>Secondary card title</h4>

                <p>Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod</p>

            </div>

        </div>

        <div>

            <div>Header</div>

            <div>

                <h4>Success card title</h4>

                <p>Some quick example text to build on the card title and make up the bulk of the card's content.</p>

            </div>

        </div>

        <div>

            <div>Header</div>

            <div>

                <h4>Danger card title</h4>

                <p>Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod</p>

            </div>

        </div>

        <div>

            <div>Header</div>

            <div>

                <h4>Warning card title</h4>

                <p>Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod</p>

            </div>

        </div>

        <div>

            <div>Header</div>

            <div>

                <h4>Info card title</h4>

                <p>Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod</p>

            </div>

        </div>

        <div>

            <div>Header</div>

            <div>

                <h4>Light card title</h4>

                <p>Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod</p>

            </div>

        </div>

        <div>

            <div>Header</div>

            <div>

                <h4>Dark card title</h4>

                <p>Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod</p>

            </div>

        </div>

        <br>

        <br>

        <!-- CARD OUTLINE -->

        <div class="card border-primary">

            <div class="card-body">Header</div>

            <div>

                <h4 class="card-title">Primary card title</h4>

                <p class="card-text">Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod</p>

            </div>

        </div>

        <div>

            <div>Header</div>

            <div>

                <h4>Secondary card title</h4>

                <p>Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod</p>

            </div>

        </div>

        <div>

            <div>Header</div>

            <div>

                <h4>Success card title</h4>

                <p>Some quick example text to build on the card title and make up the bulk of the card's content.</p>

            </div>

        </div>

        <div>

            <div>Header</div>

            <div>

                <h4>Danger card title</h4>

                <p>Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod</p>

            </div>

        </div>

        <div>

            <div>Header</div>

            <div>

                <h4>Warning card title</h4>

                <p>Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod</p>

            </div>

        </div>

        <div>

            <div>Header</div>

            <div>

                <h4>Info card title</h4>

                <p>Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod</p>

            </div>

        </div>

        <div>

            <div>Header</div>

            <div>

                <h4>Light card title</h4>

                <p>Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod</p>

            </div>

        </div>

        <div>

            <div>Header</div>

            <div>

                <h4>Dark card title</h4>

                <p>Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod</p>

            </div>

        </div>

        <br>

        <br>

        <!-- CARD GROUP -->

        <div>

            <div>

                <div>

                    <h4>Card Title</h4>

                    <p>Lorem ipsum dolor sit amet, consectetur adipisicing elit. Illo, quas.</p>

                </div>

            </div>

            <div>

                <div>

                    <h4>Card Title</h4>

                    <p>Lorem ipsum dolor sit amet, consectetur adipisicing elit. Illo, quas.</p>

                </div>

            </div>

            <div>

                <div>

                    <h4>Card Title</h4>

                    <p>Lorem ipsum dolor sit amet, consectetur adipisicing elit. Illo, quas.</p>

                </div>

            </div>

        </div>

        <br>

        <br>

        <!-- CARD DECK -->

        <div>

            <div>

                <div>

                    <h4>Card Title</h4>

                    <p>Lorem ipsum dolor sit amet, consectetur adipisicing elit. Illo, quas.</p>

                </div>

            </div>

            <div>

                <div>

                    <h4>Card Title</h4>

                    <p>Lorem ipsum dolor sit amet, consectetur adipisicing elit. Illo, quas.</p>

                </div>

            </div>

            <div>

                <div>

                    <h4>Card Title</h4>

                    <p>Lorem ipsum dolor sit amet, consectetur adipisicing elit. Illo, quas.</p>

                </div>

            </div>

        </div>

        <br>

        <br>

        <!-- CARD COLUMNS -->

        <div class="card-columns">

            <div class="card">

                <img class="card-img-top" src="https://source.unsplash.com/random/300x200" alt="">

                <div class="card-body">

                    <h4 class="card-title">Card title that wraps to a new line</h4>

                    <p class="card-text">This is a longer card with supporting text below as a natural lead-in to additional content. This content

                        is a little bit longer.</p>

                </div>

            </div>

            <div class="card p-3">

                <blockquote>

                    <p>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Integer posuere erat a ante.</p>

                    <footer>

                        <small>

                            Someone famous in

                            <cite title="Source Title">Source Title</cite>

                        </small>

                    </footer>

                </blockquote>

            </div>

            <div class="card">

                <img class="card-img-top" src="https://source.unsplash.com/random/301x200" alt="">

                <div>

                    <h4 class="card-title">Card title</h4>

                    <p class="card-text">This card has supporting text below as a natural lead-in to additional content.</p>

                    <p>

                        <small>Last updated 3 mins ago</small>

                    </p>

                </div>

            </div>

            <div class="card bg-dark text-white p-3">

                <blockquote class="card-bodyquote">

                    <p>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Integer posuere erat.</p>

                    <footer class="blockquote-footer">

                        <small>

                            Someone famous in

                            <cite title="Source Title">Source Title</cite>

                        </small>

                    </footer>

                </blockquote>

            </div>

            <div>

                <div>

                    <h4>Card title</h4>

                    <p>This card has supporting text below as a natural lead-in to additional content.</p>

                    <p>

                        <small>Last updated 3 mins ago</small>

                    </p>

                </div>

            </div>

            <div>

                <img src="https://source.unsplash.com/random/302x200" alt="">

            </div>

            <div>

                <blockquote>

                    <p>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Integer posuere erat a ante.</p>

                    <footer>

                        <small>

                            Someone famous in

                            <cite title="Source Title">Source Title</cite>

                        </small>

                    </footer>

                </blockquote>

            </div>

            <div>

                <div>

                    <h4>Card title</h4>

                    <p>This is a wider card with supporting text below as a natural lead-in to additional content. This card

                        has even longer content than the first to show that equal height action.</p>

                    <p>

                        <small>Last updated 3 mins ago</small>

                    </p>

                </div>

            </div>

        </div>

**9.Media Queries**

<div class="container">

        <!--#####################START HERE######################-->

        <!-- MEDIA OBJECT -->

        <div class="media">

            <img class="mr-3" src="https://source.unsplash.com/random/90x90">

            <div class="media-body">

                <h5>Media heading</h5>

                Cras sit amet nibh libero, in gravida nulla. Nulla vel metus scelerisque ante sollicitudin. Cras purus odio, vestibulum in

                vulputate at, tempus viverra turpis. Fusce condimentum nunc ac nisi vulputate fringilla. Donec lacinia congue

                felis in faucibus.

            </div>

        </div>

        <br>

        <br>

        <!-- NESTING MEDIA OBJECTS -->

        <div class="media">

            <img class="mr-3" src="https://source.unsplash.com/random/90x91">

            <div class="media-body">

                <h5>Media heading</h5>

                Cras sit amet nibh libero, in gravida nulla. Nulla vel metus scelerisque ante sollicitudin. Cras purus odio, vestibulum in

                vulputate at, tempus viverra turpis. Fusce condimentum nunc ac nisi vulputate fringilla. Donec lacinia congue

                felis in faucibus.

                <div class="media mt-4">

                    <a class="pr-3" href="#">

                        <img src="https://source.unsplash.com/random/90x92">

                    </a>

                    <div class="media-body">

                        <h5>Nested Media</h5>

                        Cras sit amet nibh libero, in gravida nulla. Nulla vel metus scelerisque ante sollicitudin. Cras purus odio, vestibulum in

                        vulputate at, tempus viverra turpis. Fusce condimentum nunc ac nisi vulputate fringilla. Donec lacinia

                        congue felis in faucibus.

                    </div>

                </div>

            </div>

        </div>

        <br>

        <br>

        <!-- TOP ALIGNED (DEFAULT) -->

        <div class="media">

            <img  class="align-self-start mr-3" src="https://source.unsplash.com/random/90x93">

            <div class="media-body">

                <h5>Top aligned media</h5>

                <p>Cras sit amet nibh libero, in gravida nulla. Nulla vel metus scelerisque ante sollicitudin. Cras purus odio,

                    vestibulum in vulputate at, tempus viverra turpis. Fusce condimentum nunc ac nisi vulputate fringilla.

                    Donec lacinia congue felis in faucibus.</p>

            </div>

        </div>

        <br>

        <br>

        <!-- CENTER ALIGNED -->

        <div class="media">

            <img class="mr-3 align-self-center" src="https://source.unsplash.com/random/90x94">

            <div class="media-body">

                <h5>Center aligned media</h5>

                <p>Cras sit amet nibh libero, in gravida nulla. Nulla vel metus scelerisque ante sollicitudin. Cras purus odio,

                    vestibulum in vulputate at, tempus viverra turpis. Fusce condimentum nunc ac nisi vulputate fringilla.

                    Donec lacinia congue felis in faucibus.</p>

            </div>

        </div>

        <br>

        <br>

        <!-- BOTTOM ALIGNED -->

        <div>

            <img src="https://source.unsplash.com/random/90x95">

            <div>

                <h5>Bottom aligned media</h5>

                <p>Cras sit amet nibh libero, in gravida nulla. Nulla vel metus scelerisque ante sollicitudin. Cras purus odio,

                    vestibulum in vulputate at, tempus viverra turpis. Fusce condimentum nunc ac nisi vulputate fringilla.

                    Donec lacinia congue felis in faucibus.</p>

            </div>

        </div>

        <br>

        <br>

        <!-- MEDIA LIST -->

        <ul class="list-unstyled">

            <li class="media">

                <img src="https://source.unsplash.com/random/90x96">

                <div>

                    <h5>List based media object</h5>

                    Cras sit amet nibh libero, in gravida nulla. Nulla vel metus scelerisque ante sollicitudin. Cras purus odio, vestibulum in

                    vulputate at, tempus viverra turpis. Fusce condimentum nunc ac nisi vulputate fringilla. Donec lacinia

                    congue felis in faucibus.

                </div>

            </li>

            <li class="media">

                <img src="https://source.unsplash.com/random/90x97">

                <div>

                    <h5>List based media object</h5>

                    Cras sit amet nibh libero, in gravida nulla. Nulla vel metus scelerisque ante sollicitudin. Cras purus odio, vestibulum in

                    vulputate at, tempus viverra turpis. Fusce condimentum nunc ac nisi vulputate fringilla. Donec lacinia

                    congue felis in faucibus.

                </div>

            </li>

            <li class="media">

                <img src="https://source.unsplash.com/random/90x98">

                <div>

                    <h5>List based media object</h5>

                    Cras sit amet nibh libero, in gravida nulla. Nulla vel metus scelerisque ante sollicitudin. Cras purus odio, vestibulum in

                    vulputate at, tempus viverra turpis. Fusce condimentum nunc ac nisi vulputate fringilla. Donec lacinia

                    congue felis in faucibus.

                </div>

            </li>

        </ul>

**10.Jumbotron:-**

<!-- JUMBOTRON -->

    <div class="jumbotron text-center">

      <h1 class="display-4">Welcome To My Website!</h1>

      <p class="lead">Lorem ipsum, dolor sit amet consectetur adipisicing elit. Nostrum necessitatibus perspiciatis cum vitae, modi hic?</p>

      <hr>

      <p>Lorem ipsum dolor sit amet consectetur adipisicing elit. Ea, quibusdam.</p>

      <a class="btn btn-primary btn-lg" href="#" role="button">Read More</a>

    </div>

    <br>

  </div>

  <!-- ./container -->

  <!-- FLUID JUMBOTRON -->

  <div class="jumbotron jumbotron-fluid">

    <div class="container">

      <h1 class="display-4">Fluid Jumbotron</h1>

      <p class="lead">Lorem ipsum dolor sit amet consectetur adipisicing elit. Voluptas recusandae voluptatibus, natus architecto asperiores

        a.

      </p>

    </div>

  </div>

**SECTION 4:- Grid System and Flexbox**

**Grid Systems :-**

<div class="container">

    <!--####################START HERE####################-->

    <!-- RESPONSIVE GRID -->

    <div class="row">

      <div class="col-sm-6 col-md-8 col-lg-9" style="border:1px solid #333">

        <ul>

          <li>6 column on small screens</li>

          <li>8 column on medium screen</li>

          <li>9 column on large screen</li>

          <li>10 column on xlarge screen</li>

        </ul>

      </div>

      <div  class="col-sm-6 col-md-4 col-lg-3" style="border:1px solid #333">

        <ul>

          <li>6 column on small screens</li>

          <li>4 column on medium screen</li>

          <li>3 column on large screen</li>

          <li>2 column on xlarge screen</li>

        </ul>

      </div>

    </div>

    <!-- EQUAL WIDTH -->

    <div class="row">

      <div class="col" style="border:1px solid #333">Equal Width</div>

      <div class="col" style="border:1px solid #333">Equal Width</div>

      <div class="col" style="border:1px solid #333">Equal Width</div>

      <div class="col"style="border:1px solid #333">Equal Width</div>

    </div>

    <!-- EQUAL WIDTH MULTI ROW -->

    <div class="row">

      <div class="col" style="border:1px solid #333">Equal Width Multi</div>

      <div class="col" style="border:1px solid #333">Equal Width Multi</div>

      <div class="w-100" style="border:1px solid #333"></div>

      <div class="col" style="border:1px solid #333">Equal Width Multi</div>

      <div class="col" style="border:1px solid #333">Equal Width Multi</div>

    </div>

    <!-- AUTO LAYOUT -->

    <div class="row">

      <div class="col-6" style="border:1px solid #333">Auto Layout</div>

      <div class="col"style="border:1px solid #333">Auto Layout</div>

      <div class="col-4"style="border:1px solid #333">Auto Layout</div>

    </div>

    <!-- EQUAL WIDTH STACKED -->

    <div class="row">

      <div class="col-sm" style="border:1px solid #333">Equal Width Stack</div>

      <div class="col-sm-12" style="border:1px solid #333">Equal Width Stack</div>

      <div class="col-sm" style="border:1px solid #333">Equal Width Stack</div>

    </div>

    <!-- ORDERING -->

    <div class="row">

      <div class="col order-3"style="border:1px solid #333">

        First

      </div>

      <div class="col order-2" style="border:1px solid #333">

        Second

      </div>

      <div class="col order-1" style="border:1px solid #333">

        Third

      </div>

    </div>

    <!-- OFFSETTING -->

    <div class="row">

      <!-- 6 column div offset by 3 -->

      <div class="col-md-6 offset-md-3" style="border:1px solid #333">.col-md-6 .offset-md-3</div>

    </div>

    <div class="row">

      <!-- 2 4 column divs, the second offset by 4 -->

      <div class="col-md-4"style="border:1px solid #333">.col-md-4</div>

      <div class="col-md-4 offset-md-4" style="border:1px solid #333">.col-md-4 .offset-md-4</div>

    </div>

    <div class="row">

      <!-- 2 3 column divs, both offset by 3 -->

      <div class="col-md-3 offset-md-3" style="border:1px solid #333">.col-md-3 .offset-md-3</div>

      <div class="col-md-3 offset-md-3" style="border:1px solid #333">.col-md-3 .offset-md-3</div>

    </div>

    <!-- NESTING -->

    <div class="row ">

      <div class="col-sm-9" style="border:1px solid blue">

        Level 1: .col-sm-9

        <div class="row">

          <div class="col-8 col-sm-6" style="border:1px solid red">

            Level 2: .col-8 .col-sm-6

          </div>

          <div class="col-4 col-sm-6"style="border:1px solid red">

            Level 2: .col-4 .col-sm-6

          </div>

        </div>

      </div>

    </div>

**Grid Alignment :-**

 <div class="container">

        <!--#####################START HERE######################-->

        <!-- VERTICAL ALIGNMENT -->

        <div class="container">

            <div class="row align-items-start" style="height:200px;border:1px #333 solid">

                <div class="col">

                    Top Aligned Text

                </div>

                <div class="col">

                    Top Aligned Text

                </div>

                <div class="col">

                    Top Aligned Text

                </div>

            </div>

            <div class="row align-items-center" style="height:200px;border:1px #333 solid">

                <div class="col">

                    Middle Aligned Text

                </div>

                <div class="col">

                    Middle Aligned Text

                </div>

                <div class="col">

                    Middle Aligned Text

                </div>

            </div>

            <div class="row align-items-bottom"  style="height:200px;border:1px #333 solid">

                <div class="col">

                    Bottom Aligned Text

                </div>

                <div class="col">

                    Bottom Aligned Text

                </div>

                <div class="col">

                    Bottom Aligned Text

                </div>

            </div>

        </div>

        <br>

        <br>

        <!-- VERTICAL ALIGN INDIVIDUAL COLS -->

        <div class="container">

            <div class="row" style="height:200px;border:1px #333 solid">

                <div class="col align-self-start">

                    Top Aligned

                </div>

                <div class="col align-self-center">

                    Middle Aligned

                </div>

                <div class="col align-self-bottom">

                    Bottom Aligned

                </div>

            </div>

        </div>

        <br>

        <br>

        <!-- HORIZONTAL ALIGNED COLS -->

        <div class="container">

            <div class="row" style="height:200px;border:1px #333 solid">

                <div class="col-4">

                    Left Aligned Text

                </div>

                <div class="col-4">

                    Left Aligned Text

                </div>

            </div>

            <div class="row justify-content-center" style="height:200px;border:1px #333 solid">

                <div class="col-4">

                    Center Aligned Text

                </div>

                <div class="col-4">

                    Center Aligned Text

                </div>

            </div>

            <div class="row justify-content-end" style="height:200px;border:1px #333 solid">

                <div class="col-4">

                    Right Aligned Text

                </div>

                <div class="col-4">

                    Right Aligned Text

                </div>

            </div>

            <div class="row justify-content-around" style="height:200px;border:1px #333 solid">

                <div class="col-4">

                    Content Around

                </div>

                <div class="col-4">

                    Content Around

                </div>

            </div>

            <div class="row justify-content-between" style="height:200px;border:1px #333 solid">

                <div class="col-4">

                    Content Between

                </div>

                <div class="col-4">

                    Content Between

                </div>

            </div>

        </div>

        <br>

        <br>

        <!-- COLUMN WRAPPING & NO GUTTERS-->

        <div class="row no-gutters">

            <div class="col-9">

                <div class="card">

                    <div class="card-block">

                        <p>Lorem ipsum dolor sit amet, consectetur adipisicing elit. Consequuntur, repudiandae!</p>

                    </div>

                </div>

            </div>

            <div class="col-4">

                <div class="card">

                    <div class="card-block">

                        <p>Lorem ipsum dolor sit amet, consectetur adipisicing elit. Consequuntur, repudiandae!</p>

                    </div>

                </div>

            </div>

            <div class="col-6">

                <div class="card">

                    <div class="card-block">

                        <p>Lorem ipsum dolor sit amet, consectetur adipisicing elit. Consequuntur, repudiandae!</p>

                    </div>

                </div>

            </div>

        </div>

    </div>

**Flexbox classes :-**

<div class="container">

    <!--#####################START HERE######################-->

    <!-- FLEX ROW & FLEX ITEMS -->

    <div class="d-flex flex-row row-hl">

      <div class="p-4 item-hl">Flex Item</div>

      <div class="p-4 item-hl">Flex Item</div>

      <div class="p-4 item-hl">Flex Item</div>

    </div>

    <br>

    <br>

    <!-- FLEX ROW REVERSE -->

    <div class=" d-flex flex-row-reverse row-hl">

      <div class="p-4 item-hl">Flex Item</div>

      <div class="p-4 item-hl">Flex Item</div>

      <div class="p-4 item-hl">Flex Item</div>

    </div>

    <br>

    <br>

    <!-- JUSTIFY CONTENT - CONTENT START -->

    <div class=" d-flex justify-content-start row-hl">

      <div class="p-4 item-hl">Flex Item</div>

      <div class="p-4 item-hl">Flex Item</div>

      <div class="p-4 item-hl">Flex Item</div>

    </div>

    <br>

    <br>

    <!-- JUSTIFY CONTENT - CONTENT CENTER -->

    <div class=" d-flex justify-content-center row-hl">

      <div class="p-4 item-hl">Flex Item</div>

      <div class="p-4 item-hl">Flex Item</div>

      <div class="p-4 item-hl">Flex Item</div>

    </div>

    <br>

    <br>

    <!-- JUSTIFY CONTENT - CONTENT END -->

    <div class=" d-flex justify-content-end row-hl">

      <div class="p-4 item-hl">Flex Item</div>

      <div class="p-4 item-hl">Flex Item</div>

      <div class="p-4 item-hl">Flex Item</div>

    </div>

    <br>

    <br>

    <!-- JUSTIFY CONTENT - CONTENT AROUND -->

    <div class=" d-flex justify-content-around row-hl">

      <div class="p-4 item-hl">Flex Item</div>

      <div class="p-4 item-hl">Flex Item</div>

      <div class="p-4 item-hl">Flex Item</div>

    </div>

    <br>

    <br>

    <!-- JUSTIFY CONTENT - CONTENT BETWEEN -->

    <div class=" d-flex justify-content-between row-hl">

      <div class="p-4 item-hl">Flex Item</div>

      <div class="p-4 item-hl">Flex Item</div>

      <div class="p-4 item-hl">Flex Item</div>

    </div>

    <br>

    <br>

    <!-- FLEX COLUMN -->

    <div class=" d-flex  flex-column row-hl">

      <div class="p-4 item-hl">Flex Item</div>

      <div class="p-4 item-hl">Flex Item</div>

      <div class="p-4 item-hl">Flex Item</div>

    </div>

    <br>

    <br>

    <!-- FLEX COLUMN REVERSE -->

    <div class=" d-flex flex-coloumn-reverse row-hl">

      <div class="p-4 item-hl">Flex Item</div>

      <div class="p-4 item-hl">Flex Item</div>

      <div class="p-4 item-hl">Flex Item</div>

    </div>

    <br>

    <br>

    <!-- VERTICAL ALIGN ITEMS - START -->

    <div class=" d-flex align-items-start row-hl">

      <div class="p-4 item-hl">Flex Item</div>

      <div class="p-4 item-hl">Flex Item</div>

      <div class="p-4 item-hl">Flex Item</div>

    </div>

    <br>

    <br>

    <!-- VERTICAL ALIGN ITEMS - CENTER -->

    <div class="d-flex align-items-centerrow-hl">

      <div class="p-4 item-hl">Flex Item</div>

      <div class="p-4 item-hl">Flex Item</div>

      <div class="p-4 item-hl">Flex Item</div>

    </div>

    <br>

    <br>

    <!-- VERTICAL ALIGN ITEMS - END -->

    <div class=" d-flex align-items-end row-hl">

      <div class="p-4 item-hl">Flex Item</div>

      <div class="p-4 item-hl">Flex Item</div>

      <div class="p-4 item-hl">Flex Item</div>

    </div>

    <br>

    <br>

    <!-- VERTICAL ALIGN ITEMS - BASELINE -->

    <div class=" d-flex align-items-baseline row-hl">

      <div class="p-4 item-hl">Flex Item</div>

      <div class="p-4 item-hl">Flex Item</div>

      <div class="p-4 item-hl">Flex Item</div>

    </div>

    <br>

    <br>

    <!-- VERTICAL ALIGN ITEMS - STRETCH -->

    <div class="d-flex align-items-stretch row-hl">

      <div class="p-4 item-hl">Flex Item</div>

      <div class="p-4 item-hl">Flex Item</div>

      <div class="p-4 item-hl">Flex Item</div>

    </div>

    <br>

    <br>

    <!-- ALIGN SELF -->

    <div class="d-flex row-hl">

      <div class=" align-self-start p-4 item-hl">Flex Item</div>

      <div class=" align-self-center p-4 item-hl">Flex Item</div>

      <div class=" align-self-end p-4 item-hl">Flex Item</div>

      <div class=" align-self-baseline p-4 item-hl">Flex Item</div>

      <div class="align-self-strech p-4 item-hl">Flex Item</div>

    </div>

**Auto Margin and Wrap Ordering:-**

<div class="container">

        <!--#####################START HERE######################-->

        <!-- MR-AUTO -->

        <div class="d-flex row-hl">

            <div class=" mr-auto p-2 item-hl">Flex item</div>

            <div class="p-2 item-hl">Flex item</div>

            <div class="p-2 item-hl">Flex item</div>

        </div>

        <br>

        <br>

        <!-- ML-AUTO -->

        <div class="d-flex row-hl">

            <div class="p-2 item-hl">Flex item</div>

            <div class="p-2 item-hl">Flex item</div>

            <div class=" ml-auto p-2 item-hl">Flex item</div>

        </div>

        <br>

        <br>

        <!-- MB-AUTO -->

        <div class="d-flex flex-column row-hl">

            <div class="mb-auto p-2 item-hl">Flex item</div>

            <div class="p-2 item-hl">Flex item</div>

            <div class="p-2 item-hl">Flex item</div>

        </div>

        <br>

        <br>

        <!-- MT-AUTO -->

        <div class="d-flex flex-column row-hl">

            <div class="p-2 item-hl">Flex item</div>

            <div class="p-2 item-hl">Flex item</div>

            <div class=" mt-auto p-2 item-hl">Flex item</div>

        </div>

        <br>

        <br>

        <!-- NO WRAP -->

        <div class="d-flex flex-wrap row-hl">

            <div class="p-2 item-hl">Flex item</div>

            <div class="p-2 item-hl">Flex item</div>

            <div class="p-2 item-hl">Flex item</div>

            <div class="p-2 item-hl">Flex item</div>

            <div class="p-2 item-hl">Flex item</div>

            <div class="p-2 item-hl">Flex item</div>

            <div class="p-2 item-hl">Flex item</div>

            <div class="p-2 item-hl">Flex item</div>

            <div class="p-2 item-hl">Flex item</div>

            <div class="p-2 item-hl">Flex item</div>

            <div class="p-2 item-hl">Flex item</div>

            <div class="p-2 item-hl">Flex item</div>

            <div class="p-2 item-hl">Flex item</div>

            <div class="p-2 item-hl">Flex item</div>

            <div class="p-2 item-hl">Flex item</div>

        </div>

        <br>

        <br>

        <!-- WRAP -->

        <div class="d-flex row-hl">

            <div class="p-2 item-hl">Flex item</div>

            <div class="p-2 item-hl">Flex item</div>

            <div class="p-2 item-hl">Flex item</div>

            <div class="p-2 item-hl">Flex item</div>

            <div class="p-2 item-hl">Flex item</div>

            <div class="p-2 item-hl">Flex item</div>

            <div class="p-2 item-hl">Flex item</div>

            <div class="p-2 item-hl">Flex item</div>

            <div class="p-2 item-hl">Flex item</div>

            <div class="p-2 item-hl">Flex item</div>

            <div class="p-2 item-hl">Flex item</div>

            <div class="p-2 item-hl">Flex item</div>

            <div class="p-2 item-hl">Flex item</div>

            <div class="p-2 item-hl">Flex item</div>

            <div class="p-2 item-hl">Flex item</div>

        </div>

        <br>

        <br>

        <!-- ORDERING -->

        <div class="d-flex  row-hl">

            <div class=" order-3 p-2 item-hl">First flex item</div>

            <div class=" order-2 p-2 item-hl">Second flex item</div>

            <div class=" order-1 p-2 item-hl">Third flex item</div>

        </div>

**SECTION 5:- JAVASCRIPT Widgets**

**Carausel Slider :-**

<!-- SIMPLE SLIDER -->

        <div id="slider1" class="carousel slide mb-5" data-ride="carousel">

          <div class="carousel-inner">

            <div class="carousel-item">

              <img class="d-block img-fluid"src="https://source.unsplash.com/wgq4eit198Q/700x400" alt="First Slide">

            </div>

            <div class="carousel-item active">

              <img src="https://source.unsplash.com/WLUHO9A\_xik/700x400" alt="Second Slide">

            </div>

            <div class="carousel-item">

              <img src="https://source.unsplash.com/4yta6mU66dE/700x400" alt="Third Slide">

            </div>

          </div>

        </div>

        <!-- SLIDER WITH CONTROLS -->

        <!-- SIMPLE SLIDER -->

        <div id="slider2" class="carousel slide mb-5" data-ride="carousel">

          <div class="carousel-inner">

            <div class="carousel-item">

              <img class="d-block img-fluid"src="https://source.unsplash.com/wgq4eit198Q/700x400" alt="First Slide">

            </div>

            <div class="carousel-item active">

              <img src="https://source.unsplash.com/WLUHO9A\_xik/700x400" alt="Second Slide">

            </div>

            <div class="carousel-item">

              <img src="https://source.unsplash.com/4yta6mU66dE/700x400" alt="Third Slide">

            </div>

          </div>

          <!-----CONTROLS------>

          <a href="#slider2" class="carousel-control-prev" data-slide="prev"><span class="carousel-control-prev-icon"></span></a>

          <a href="#slider2" class="carousel-control-next" data-slide="next"><span class="carousel-control-next-icon"></span></a>

        </div>

        <!-- SLIDER WITH INDICATORS -->

        <!-- SIMPLE SLIDER -->

        <div id="slider3" class="carousel slide mb-5" data-ride="carousel">

          <ol class="carousel-indicators">

            <li class="active"  data-target="#slider3" data-slide-to="0"></li>

            <li data-target="#slider3" data-slide-to="1"></li>

            <li data-target="#slider3" data-slide-to="2"></li>

          </ol>

          <div class="carousel-inner">

            <div class="carousel-item">

              <img class="d-block img-fluid"src="https://source.unsplash.com/wgq4eit198Q/700x400" alt="First Slide">

            </div>

            <div class="carousel-item active">

              <img src="https://source.unsplash.com/WLUHO9A\_xik/700x400" alt="Second Slide">

            </div>

            <div class="carousel-item">

              <img src="https://source.unsplash.com/4yta6mU66dE/700x400" alt="Third Slide">

            </div>

          </div>

          <!-----CONTROLS------>

          <a href="#slider3" class="carousel-control-prev" data-slide="prev"><span class="carousel-control-prev-icon"></span></a>

          <a href="#slider3" class="carousel-control-next" data-slide="next"><span class="carousel-control-next-icon"></span></a>

        </div>

        <!-- SLIDER WITH CAPTIONS -->

        <!-- SIMPLE SLIDER -->

        <div id="slider4" class="carousel slide mb-5" data-ride="carousel">

          <ol class="carousel-indicators">

            <li class="active"  data-target="#slider4" data-slide-to="0"></li>

            <li data-target="#slider4" data-slide-to="1"></li>

            <li data-target="#slider4" data-slide-to="2"></li>

          </ol>

          <div class="carousel-inner">

            <div class="carousel-item">

              <img class="d-block img-fluid"src="https://source.unsplash.com/wgq4eit198Q/700x400" alt="First Slide">

               <div class="carousel-caption d-none d-md-block">

                 <h3>Slide One</h3>

                 <p>asmdhsadagsadgda</p>

               </div>

            </div>

            <div class="carousel-item active">

              <img src="https://source.unsplash.com/WLUHO9A\_xik/700x400" alt="Second Slide">

              <div class="carousel-caption d-none d-md-block">

                <h3>Slide One</h3>

                <p>asmdhsadagsadgda</p>

              </div>

            </div>

            <div class="carousel-item">

              <img src="https://source.unsplash.com/4yta6mU66dE/700x400" alt="Third Slide">

              <div class="carousel-caption d-none d-md-block">

                <h3>Slide One</h3>

                <p>asmdhsadagsadgda</p>

              </div>

            </div>

          </div>

          <!-----CONTROLS------>

          <a href="#slider4" class="carousel-control-prev" data-slide="prev"><span class="carousel-control-prev-icon"></span></a>

          <a href="#slider4" class="carousel-control-next" data-slide="next"><span class="carousel-control-next-icon"></span></a>

        </div>

**Collapse and Accordation :-**

<div class="container">

    <!--#####################START HERE###################-->

    <!-- BUTTON WITH COLLAPSE -->

    <button class="btn btn-primary d-block mb-4" data-toggle = "Collapse" data-target= "#Collapse-btn-1" >Read More</button>

    <div class="Collapse mb-5 " id="Collapse-btn-1">

      <div class="card">

        <div class="card-body">

          Lorem ipsum dolor sit amet, consectetur adipisicing elit. Fugit eius libero quisquam nobis explicabo vel non necessitatibus

          ipsum doloribus cupiditate voluptate recusandae quo autem error debitis, sed, minima repellendus commodi.

        </div>

      </div>

    </div>

    <!-- ACCORDION -->

    <div class="Accordion">

      <div class="card">

        <div class="card-header">

          <h5>

            <a href="#collapse1" data-parent = "Accordion" data-toggle="Collapse">

              Collapse One

            </a>

          </h5>

        </div>

        <div id ="collapse1"  class="Collapse">

          <div class="card-body">

            Lorem ipsum dolor sit amet, consectetur adipisicing elit. Veritatis ea iste a doloremque, cumque, debitis eum vel ipsum architecto

            aut, recusandae totam ullam aperiam. Nesciunt expedita officiis animi quam corporis optio inventore facilis sint

            et nulla in, repellat debitis dolor at nisi quo, unde temporibus. Quos nisi nostrum officia, illo.

          </div>

        </div>

      </div>

**Tooltips :-**