* **For text center -jumbotron text-center**
* **.container- provides fixed width container**
* **Container-fluid provides full width container**
* **"container pt-3" – add top padding of 16px**
* **container p-3 my-3 border - >This container has a border and some extra padding and margins.**
* **"container p-3 my-4 bg-dark text-white" – container has bg-dark means dark background color and text white and some padding and margin**
* **Container p-3 my-4 bg-primary - container has blue background and padding and margin**
* **Mx size up to 1-5**
* **Container-sm p-3 border ->used for small container & padding 3**
* **Container-md p-3 border-> used for medium container & padding 3**
* **Container-lg p-4 border-> used for large and padding 3**
* **Container-xl p -4 border-> used for extra large and padding 3**
* **Grid classes**
* **.col = screen width less than 576 px - extra small**
* **.col-sm = screen width euqual or greater than 576px - small screen**
* **.col-md = screen width euqual or greater than 768px - medium screen**
* **.col-lg = screen width euqual or greater than 992px - large screen**
* **Col-xl = screen width euqual or greater than 576px - extra large screen**
* **Two col =50% width**
* **Three col = 33.33%**
* **Four col = 25%**

**15)Font size**

* **Default font size = 16px;**
* **line-height is 1.5**
* **font-family is "Helvetica Neue", Helvetica, Arial, sans-serif.**
* **margin-top: 0 - mt**
* **margin-bottom: 1rem – mb**

**16)Display Functions**

**Definition : larger font-size and lighter font-weight**

**.display-1, .display-2, .display-3, .display-4**

**17)Mark**

**Defination – mark elements are used to highlights the elements.**

**18)abbr**

**Def – abbr elements are used to dotted line bottom**

**19)fs(fs 1-6)**

**Font size**

**20) For tables**

* **dl – definition list**
* **dt – definition term**
* **dd – definition descriptive**

**21)code**

**Code tag is used for styling the components**

**22)kbd**

**Kbd tag is used for displaying the keyboard short cut**

**23)pre**

**Pre tag is used for**

**This means the text within a <pre> element is displayed in a fixed-width font**

**24) Fonts weights - class**

* **font-weight-bold = Bold text**
* **font-weight-bolder = Bolder text**
* **font-weight-normal= Normal weight text.**
* **font-weight-light = Light weight text.**
* **font-weight-lighter=Lighter weight text**
* **font-italic=Italic text**
* **lead -> paragraph stand out**
* **small –> indicates the smaller size**
* **text – left -> indicates left align text**
* **text-\*-left -> indicates left align text on based on the mobile screen xm|md|lg|xl**
* **text-center - indicates the centered align text**
* **text-\*-center -> indicates the centered align text sm|md|lg|xl on mobile screen**
* **text-decoration-none - removes the underlined from the link**
* **text-right -> indicates the right align text**
* **text-\*-right -> indicates the right align text on sm|md|lg|xl screen**
* **text-justifly-> justify the text is used for justifly the text**
* **text-muted – used for muted text**
* **text-reset – for this<p><a href=”#” class=text-reset>reset the link</p>**
* **text-uppercase – uppercased text**
* **text-lowercase - lowercased text**
* **text-capitalize – capitalize text**

25) **Test color**

* **text-muted ->this is txt muted**
* **text-primary->This text is important blue color**
* **text-success ->indicates green color**
* **text-info ->light blue color**
* **text-warning-> yellow color**
* **text-danger ->red color**
* **text-secondary -> dark grey color**
* **text-dark -> dark grey**
* **text-body -> default body color**
* **text-light -> light grey**
* **text-white -> white color text**

**26) Links colors**

**text-black-50 -> black text 50% opacity on white background**

**text-white-50 bg-dark -> white text on dark background color**

**27) background Color**

* **bg-primary text-white ->blue background color**
* **bg-success text-white -> green background color**
* **bg-info text-white ->dark background blue**
* **bg-warning text-white -> yellow background color**
* **bg-danger text-white -> pink background color**
* **bg-secoundary text-white ->secoundary background color**
* **bg-dark text-white ->light grey background color**
* **bg-light text-white ->white background color**

**28)** **pre-scrollable**

**Tag pre-scrollable is used for the text should be fixed width size and pre element gets a max-height of 340px and provides a y-axis sscrollbar**

**29)Basic Table creation**

**Class name - .table**

**Table class table**

**Thead – table head**

**Tr - table row**

**Th - header section of the table**

**Close the thead**

**Tbody – table body**

**Tr – table row**

**Td – table data**

**Close td**

**Close table**

**30)Striped Rows**

**.table striped -  class adds zebra-stripes to a table**

**Class should be table table-striped**

**31)Bordered table**

**Def – Add the border on all the sides of the table**

**Class - table-bordered**

**Class should be – table table-bordered**

**32)Hover Rows**

**Class - table-hover adds a hover effect of the (grey) background color**

**Class should be table table-hover**

**33)Black/dark color**

**table-dark – adds the black background color**

**Class should be table .table-dark**

**35)dark Striped color**

**table-dark table-striped**

**Class should be ---- > table table-dark table-striped**

**35) Hoverable Dark table**

**table table-dark table-hover**

**36)Table Borderless**

**Def - removes the border from the table**

**Table table-borderless**

**37)** **Contextual Classes**

**For table background color**

**table-primary**

**table-success**

**table-danger**

**table-info**

**table-warning**

**table-active**

**table-secondary**

**table-light**

**38) Table Header Colors**

**thead-dark**

**for thead class we have to use thead-dark**

**39)Small table**

**Table table-** **bordered table-sm**

**40)Responsive Table**

**The .table-responsive class adds a scrollbar to the table when needed**

**Table-responsive**

**For div tag we have to use table-responsive**

**41)** **table-responsive-sm –>**

**.table-responsive-sm class creates a responsive table which will scroll horizontally on screens that are less than 576px wide.**

**Table-responsive-md**

**Table-responsive-lg**

**Table-responsive-xl**

**42) image**

* **Rounded image - rounded**
* **Circle image – rounded-circle**
* **thumbnail of the image - img-thumbnail**

**43)Aligning images**

**float-right**

**float-left**

**44)mx-auto d-block**

Margin auto and display box

Def ->display block is used to controlling the layout of the appearance of the elements on the webpage

45)Responsive images

Create a responsive image by adding the img-fluid class to the img

The img-fluid class applies max-width=100% and height:auto

46)Jumbotron

Jumbotron indicates big grey color box

Class name jumbotron

47)jumbotron-fluid – full width container with big grey box

48) Alert

Class name – alert

49)Alert links

Class name – alert

50)Button

Class name – type=button class=btn

Button color – btn btn-primary

51)d-flex

Flexbox allows for flexible layouts, where items can dynamically adjust their size and position based on the available space and content. This makes it easier to create responsive designs that adapt to different screen sizes and devices.

52)Button

Class btn

Button color – btn-dark

53)Button links

<a href=”#” class=”btn btn-dark”>click me</a>

54)Button outline

Button type=button class=btn btn-outline-success

56)Button -size

Button type=button class= btn btn-outline-dark btn-lg

57)Block level elements

Block level elements means full width container

Button type = button class = btn btn-primary btn-block

58)Active/Disabled buttons

For active

<button type=button class= btn btn-dark active></button>

For Disabled

<button type=button class=btn btn-dark disabled></button>

59)Spinner Buttons

Class – spinner-border spinner-border-sm

Spinner-border spinner-border-lg

Spinner-grow spinner-grow-sm

60)Button groups

Class name = btn-group

Size - btn btn-group-sm

61) Nesting Buttons and Groups – refer vs code

62) split buttons

<span class=”caret”></span>

63) class btn-group-vertical

67)badges

Badges are used in inside the span element

badge badge-secondary

68)contextual badge

<span class=”badge badge-primary”>primary</span>

69)pill badge

To move badge button round we use badge

<span class=badge badge-bill badge-secondary>secondary

70)badge inside an element

<button type=button class= btn btn-primary>messages

<span class=badge badge-primary>4</span></button>

71)progress bar

In container class we have to add progress and in that child class we have to add progress-bar and we have to mentioned the width of the progress

Ex:-

<div class=progress>

<div class=progress-bar width=60%>

<div></div>

72)Spinner

<div class=”spinner-border”></div>

<div class=”spinner-border text-primary></div>

<div class=”spinner-border bg-success></div>

73)Spinner grow

Spinner-grow

<div class=’spinner-grow bg-primary text-info”>

75)Spinner Size

Spinner-border spinner-border-sm

Spinner-grow spinner-grow-lg

76)Spinner Buttons

<button class=btn btn-primary>

<span class=spinner-border spinner-border-sm></spinner>

Loading…………</span>

</button>

Spinner-grow also we can use

77)Basic pagination

If we have a websites with a lot of pages then we can add pagination to the page

\*To create a basic pagination add a pagination class to the ul element and

Add a page-item class to the inside the li and page-link class to the inside the li a tag can be used

Example :

<ul class=”pagination”>

<li class=”page-item”><a class=”page-link” href=”#”>previous</a></li>

Continue 1 2 3…………

78)Active

\*Active class is used to highlights the current page

79)Pagination size

<ul class=”pagination pagination-sm>

80)Pagination alignment

For ul clss we can add justifly-content-center

justifly-content-end

justifly-content-start

81)Breadcrumbs

Breadcrumbs and breadcrumbs classes are used for to give the current page location

Breadcrumb means link on that side should be one bar

Class breadcrumb

Breadcrumb-item

82)Basic List group

To create a basic list group we use in ul element we use list-group and in li element we use list-group-item

83)Flush/remove borders

We use list-group-flush class to remove the border and rounded corner

84)Harizontal list group

For harizonatal list group we use list-group-harizontal class

Add to the list-group

85)Cards

Card is used for bordered box and some padding around its content and it includes options for headers footers and color contents.

1)basic card

\* A basic card is created with card class and content inside of this is card-body is used

Basic class card

For contents inside we use card-body

2)header and footer

Card-header - is used for header of the class

Card-footer – is used for the footer of the class

Card-title – for title – we used for title

Card-body - is used for border

Card-link - is used for links

3)card images

\*card – here we can adjust height and width of the container

\*card-body

\*card-img-top or card-img-bottom

\*card-title

\*card-text

\*card-link

4)stretched link

Stretched link class is used for link inside the class and it will make the whole card clickable and hoverable

We have used this class inside the link tag

Stretched-link

5)card-image overlays

Class= card-img-overlay

6)card-columns

Card-columns card class creates grid of class and layout automatically adjust as we inserted more cards

Class – card-columns

7)card-deck

Card-deck class creates a grid of cards that are equal height and equal width

Class card-deck

8)card-group

Card-group removes left and right margin of the each card

9)dropdown menu

A dropdown menu is a toggleable menu that allows the user to choose one value from a predefined list:

\*using div write the class dropdown

\*the use button

Ex:

<div class="dropdown">  
  <button type="button" class="btn btn-primary dropdown-toggle" data-toggle="dropdown">  
    Dropdown button  
  </button>  
  <div class="dropdown-menu">  
    <a class="dropdown-item" href="#">Link 1</a>  
    <a class="dropdown-item" href="#">Link 2</a>  
    <a class="dropdown-item" href="#">Link 3</a>  
  </div>  
</div>

\* The .dropdown class indicates a dropdown menu.

\* To open the dropdown menu, use a button or a link with a class of .dropdown-toggle and the data-toggle="dropdown" attribute.

\* Add the .dropdown-menu class to a <div> element to actually build the dropdown menu. Then add the .dropdown-item class to each element (links or buttons) inside the dropdown menu.

## 10)Dropdown Divider

The .dropdown-divider class is used to separate links inside the dropdown menu with a thin horizontal border

## 11)Disable and Active items

\* Highlight a specific dropdown item with the .active class (adds a blue background color).

\* To disable an item in the dropdown menu, use the .disabled class

## 12)Dropdown Position

"dropright" or "dropleft" menu, by adding the .dropright or .dropleft class to the dropdown element.

## 13)Dropup

If you want the dropdown menu to expand upwards instead of downwards, change the <div> element with class="dropdown" to "dropup

<div class="dropup">

## 14)Dropdown Text

The .dropdown-item-text class is used to add plain text to a dropdown item

## 15) Grouped Buttons with a Dropdown

<div class="btn-group">  
  <button type="button" class="btn btn-primary">Apple</button>  
  <button type="button" class="btn btn-primary">Samsung</button>  
  <div class="btn-group">  
    <button type="button" class="btn btn-primary dropdown-toggle" data-toggle="dropdown">  
       Sony  
    </button>  
    <div class="dropdown-menu">  
      <a class="dropdown-item" href="#">Tablet</a>  
      <a class="dropdown-item" href="#">Smartphone</a>  
    </div>  
  </div>  
</div>

## 16)Basic Collapsible

Collapsibles are useful when you want to hide and show large amount of content

The .collapse class indicates a collapsible element (a <div> in our example); this is the content that will be shown or hidden with a click of a button.

To control (show/hide) the collapsible content, add the data-toggle="collapse" attribute to an <a> or a <button> element. Then add the data-target="#id" attribute to connect the button with the collapsible content (<div id="demo">).

 For <a> elements, you can use the href attribute instead of the data-target attribute

## 17)Nav Menus

\* If you want to create a simple horizontal menu, add the .nav class to a <ul> element, followed by .nav-item for each <li> and add the .nav-link class to their links.

<ul class="nav">  
  <li class="nav-item">  
    <a class="nav-link" href="#">Link</a>  
  </li>  
  <li class="nav-item">  
    <a class="nav-link" href="#">Link</a>  
  </li>  
  <li class="nav-item">  
    <a class="nav-link" href="#">Link</a>  
  </li>  
  <li class="nav-item">  
    <a class="nav-link disabled" href="#">Disabled</a>  
  </li>  
</ul>

18)

## 18)Aligned Nav

.justify-content-center

.justify-content-end