* **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>