**04-01-2022**

**Bootstrap :**

=>Bootstrap is used to create responsive website and application.

=>Bootstrap was developed by Mark Otto and Jakon Thornton at Twitter.

=>Bootstrap was released in 2011(v1).

=>Latest version of bootstrap is bootstrap 5.

=>Bootstrap provides pre-defined classes.

=>Bootstrap is used to faster and easier web development.

=>To use bootstrap firstly we have to link library of bootstrap.

=>You can download library of bootstrap from www.getBootstrap.com.

=>It includes HTML, CSS and JavaScript.

**Pre-defined color in Bootstrap :-**

1. primary
2. secondary
3. danger
4. success
5. info
6. warning
7. dark
8. light

**Background**

bg-primary

bg-secondary

bg-danger

bg-success

bg-info

bg-warning

bg-dark

bg-light

**text**

text-primary

text-secondary

text-danger

text-success

text-info

text-warning

text-dark

text-light

**spacing**

1. Padding (between 0-5)

* P => top left right bottom (max value 0-5)

As :-

p-0

p-1

p-2

p-3

p-4

p-5

1. Padding from top

* pt (Padding Top)

1. Padding left

* ps (Padding Start | padding left)

1. padding right

* pe (Padding end | padding right)

1. padding Bottom

* pb (Padding Bottom)

1. px => padding left and padding right
2. py => padding top and padding bottom

**margin**

like padding

**Width**

w-25 || width 25%

w-50 || width 50%

w-75 || width 75%

w-100 || width 100%

**font-sixe (1-6)**

fs-1

fs-2

fs-3

fs-4

fs-5

fs-6

**font-weigth**

fw-bold

fw-bolder

fw-light

fw-lighter

fw-normal

**font-style**

fst-italic

fst-normal

**Uppercase :=>** text-uppercase

**Lowercase :=>** text-lowercase

text-capitalize

text-center

text-start

text-end

**border**

border-top || top left right bottom

border-bottom

border-start

border-end

border-danger

border-info

border-warning

border-0 (0-5) || border-width

**border-radius**

rounded

rounded-top

rounded-bottom

rounded-start

rounded-end

rounded-circle

rounded-pill

**bootstrap button**

btn btn-danger

btn btn-secondary

btn btn-dark

btn btn-ligth

btn btn-success

btn btn-warning

btn btn-info

btn btn-primary

btn btn-outline-dark

btn btn-outline-danger

btn btn-outline-primary

btn btn-outline-success

btn btn-outline-info

**images properties**

img-responsive (it is used before bootstrap 3)

img-fluid

img-thumbnail

**grid-system**

**Breaking Points**

sm(Small screen) =>572px

md(Medium Screen) =>768px

lg(Large Screen) =>992px

xl(Extra Large) =>1200px

xxl(Extra Extra Large) =>1400px

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justify-content-start

justify-content-end

justify-content-center

justify-content-between

justify-content-around

justify-content-evenly

----------------------------------------------

alert alert-success

alert alert-primary

alert alert-secondary

alert alert-info

alert alert-light

alert alert-dark

alert alert-danger

alert alert-warning

-----------------------------------------------

<ul class="list-group">

<li class="list-group-item">HTML</li>

<li class="list-group-item">CSS</li>

<li class="list-group-item">JS</li>

<li class="list-group-item">JQ</li>

</ul>

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float-start

float-end

float-center

**Background Opacity**

bg-opacity-10

bg-opacity-25

bg-opacity-50

bg-opacity-75