**BOOTSTRAP**

* **Introduction:**

CSS base Front end Framework

Introduced by Twitter

* **Features:**
  + Faster and easier web development
  + Easily create Responsive web layouts
* **Advantages:**
  + Save a lots of time
  + Responsive Features
  + Consistent(Reuse) of design
  + Easy to Use
  + Compatible with browser
  + Open Source
* **Components:**
  + Layouts
  + Typography
  + Navigation Menu
  + Form Layout
  + Buttons
  + Pagination
  + Icon Fonts
  + Responsiveness
* **Prior Knowledge**
  + Html
  + CSS **(Media Query, Flex box)**
  + Jquery
* **Container**
  + Container
    - Container class
    - Container-fluid class
  + Row
    - Row class
  + Col
    - Col 1….12 class
    - Col xl,lg,md,sm class
    - Row-100 Class
  + Offset
    - Offset 1….11class
    - Offset xl,lg,md,sm class
  + Reordering
    - Order-fist class
    - Order-last class
    - Order-xl,lg,md,sm-fist class
    - Order-xl,lg,md,sm-last class
    - Order-1…..12
    - Order-xl,lg,md,sm-1…..12
  + Nesting
    - Row classes
    - Columns classes
* **Typography**
  + Display Headings
    - Display-1…4
  + Margin
    - M-auto
    - Ml-auto
    - Mr-auto
    - M,ML,MR-xl,lg,md,sm-auto
    - M-0….5
    - Ml-0…5
    - Mr-0…5
    - Mt-0…5
    - Mb-0…5
    - M,ml,mr,mt,mb-xl,lg,md,sm-0…5
    - Mx-0…5
    - My-0…5
  + Padding
    - P,pl,pr,pt,pb Class
    - P,pl,pr,pt,pb-0…5
    - Py-0….5
  + Horizontal Alignment
    - Justify-content-start
    - Justify-content-center
    - Justify-content-end
    - Justify-content-between
    - Justify-content-around
  + Vertical Alignments
    - Align-item, content, self-start
    - Align-item, content, self -end
    - Align-item, content, self -center
    - Align-item, content, self-stretch
    - Align-item, content, self-baseline
    - Align-content-around
    - Align-content-between
  + Flex Directions
    - Flex-row
    - Flex-row-reverse
    - Flex-column
    - Flex-column-reverse
    - Flex-wrap
    - Flex-nowrap
    - Flex-wrap-reverse
    - Flex-fill
  + Display
    - D-none
    - D-inline
    - D-inline-block
    - D-block
    - D-table
    - D-table-cell
    - D-table-row
    - D-flex
    - D-inline-flex
    - D-print-none
    - D-print-inline
    - D-inline-print-block
    - D-print-block
    - D-print-table
    - D-print-table-cell
    - D-print-table-row
    - D-print-flex
    - D-print-inline-flex
  + Float & Clear fix
    - Float-left
    - Float-right
    - Float-none
    - Clearfix
    - W-25,50,75,100,auto,mw-100
    - H-25,50,75,100,auto,mh-100
    - Vh-100
    - Vw-100
    - Min-vh-100
    - Min-vh-100
  + Positions & Overflow
    - Position-relative,absolute,static,fixed,sticky
    - Fixed-top
    - Fixed-bottom
    - Sticky-top
    - Overflow-auto
    - Overflow-hidden