**BOOTSTRAP LEARN FIRST:**

For responsive web design

Framework of css and js

We need to connect this framework in our HTML page:

**Method-1:**

Download and Add package:

Add CSS & JS folder into our project folder

then connect bootstrap.min.css from css folder

Connect bootsrtap.min.js from js folder

**Method-2:**

Add cdn links of css and js

Js - has bundle and separate links:

* Bundle has both popper and bootsrtap’s js file
* Separate has separate link for both

CSS file connect inside head tag

JS file connect inside body tag on bottom

Then:

**Layouts in bootstrap:**

* Container class layout-- div class=”container”

It keeps a max-width for every screen sizes. Automatically adjust with every screen

It keeps a margin from right and left

* Container-fluid class layout-- div class=”container-fluid”

It taken width 100 percentage with every screen

**Grid system of bootstrap:**

* Containers
* Rows
* Columns

Our screen is diving into rows and columns

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |

1 Rows and it has 12 columns in it

We write:

.container

.row

.col\*12

We can divide columns by equal numbers and unequal numbers:

Equal divisions:

1+1+1+1+1+1+1+1+1+1+1+1+1

2+2+2+2+2+2

3+3+3+3

4+4+4

6+6

Unequal divisions:

3+2+1+6

1+3+8

Etc etc..

Col-3 (plain col defines mobile device width)

**Breakpoints concept in bootstrap:**

Breakpoints are the division point of each device size:

Below 576px size is xs-- mobile devices

Above 576px -- sm -- small -- tab

Above 768px -- md--medium--laptop

Above 992px -- lg --large-- desktop system

Above 1200px -- xl -- extra large -- large desktops

Above 1400px -- xxl -- large tv

Xs, sm, md, lg, xl, xxl