

# 20220808\_Day28

🕒 작성일시	@2022년 8월 8일 오후 6:16
♥ 강의 번호	
📅 유형	
📎 자료	
☑ 복습	<input type="checkbox"/>
☰ 속성	

## Bootstrap5

### About

- Open Source Front-end Framework
- Mark Otto, Twitter Developer



- 2013 ver 3
- 2018 ver 4
- 2021 ver 5

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### Features

CSS + JS  
Components ( butt )  
Easy use  
Open source  
Customizing

### Concept

Breakpoints (BP) - 화면 크기에 따른 터닝 포인트  
.container-BP  
.col-BP

BREAK POINTS	infix	Demensions
Extra Small	None	<576px
Small	sm	≥576px

BREAK POINTS	infix	Demensions
Medium	md	≥768px
Large	lg	≥992px
Extra Large	xl	≥1200px
Extra Extra Large	xxl	≥1400px

prefix 접두사      surfix 접미사      infix 접중사

	column1	column2	column3	열
row1				
row2				
row3				
행				

Axis 축	margin	padding
X축(수평)	mx	px
y축(수직)	my	py
t(Top)	mt	pt
b(Bottom)	mb	pb
s(Start)	ms(margin-left)	ps
e(End)	me(margin-right)	pe

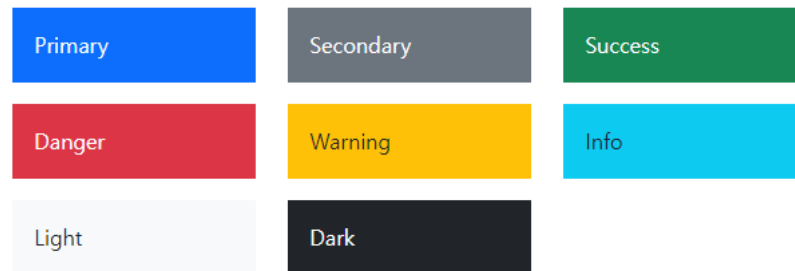
margin 바깥쪽 여백 - mt, mb, mx, my, ms(margin-left), me(margin-right)

padding 안쪽 여백 - pt, pb, px, py, ps, pe

## Color

## Theme colors #

We use a subset of all colors to create a smaller color palette for generating color schemes, also available as Sass variables and a Sass map in Bootstrap's `scss/_variables.scss` file.



### VS Code 필수 확장



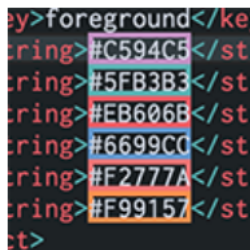
#### Live Server v5.7.5

Ritwick Dey | 24,200,069 | ★

Launch a development local Server ...

Disable Uninstall ⚙️

This extension is enabled globally.



#### Color Highlight v2.5.

Sergii N | 4,107,062 | ★★★★★

Highlight web colors in your editor

Disable Uninstall ⚙️

This extension is enabled globally.



#### Bootstrap 5 Quick Snippets v0.3.

Anbuselvan Rocky | 165,898 | ★★★★★ (11)

Collection of Bootstrap 5 Snippets that will make your life ...

Install ⚙️

[Details](#) [Feature Contributions](#) [Changelog](#)

## <아무 내용이나 자동으로 써지게 하는 방법>

lorem + ENTER :

```
Lorem ipsum, dolor sit amet consectetur adipisicing elit. Corrupti, aut libero. Blanditiis eos qui sit quaerat odit reprehenderit mollit.
```

lorem2 + ENTER : 아무 내용 2문장

```
Lorem ipsum
```

lorem5 + ENTER : 아무 내용 5문장

```
Lorem ipsum dolor sit amet
```

필요한 대략의 구문을 입력해주는 기능, 숫자는 단어의 갯수를 정할 수 있다.

## BreakPoint

```
<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.2.0/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-gH2yIJqKdNHPEq004vj61jbLuzqZf/8t77bXz4jSf6C64i6ZyxqV0Z4q/w20Z=>
<!-- JavaScript Bundle with Popper -->
<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.2.0/dist/js/bootstrap.bundle.min.js" integrity="sha384-A3rJD856KowSb7dwlZdYEk039" data-cs="3" data-kind="parent">
```

```
<div class="container">
  container (-xs)<br>
  Lorem ipsum, dolor sit amet consectetur adipisicing elit. Corrupti, aut libero. Blanditiis eos qui sit quaerat odit reprehenderit mollit.
</div>
<div class="container-fluid">
  container-fluid<br>
  Lorem ipsum, dolor sit amet consectetur adipisicing elit. Corrupti, aut libero. Blanditiis eos qui sit quaerat odit reprehenderit mollit.
</div>
<div class="container-sm">
  container-fluid<br>
  Lorem ipsum, dolor sit amet consectetur adipisicing elit. Corrupti, aut libero. Blanditiis eos qui sit quaerat odit reprehenderit mollit.
</div>
<div class="container-md">
  container-fluid<br>
  Lorem ipsum, dolor sit amet consectetur adipisicing elit. Corrupti, aut libero. Blanditiis eos qui sit quaerat odit reprehenderit mollit.
</div>
<div class="container-lg">
  container-fluid<br>
  Lorem ipsum, dolor sit amet consectetur adipisicing elit. Corrupti, aut libero. Blanditiis eos qui sit quaerat odit reprehenderit mollit.
</div>
```

-xxl (≥1400px)

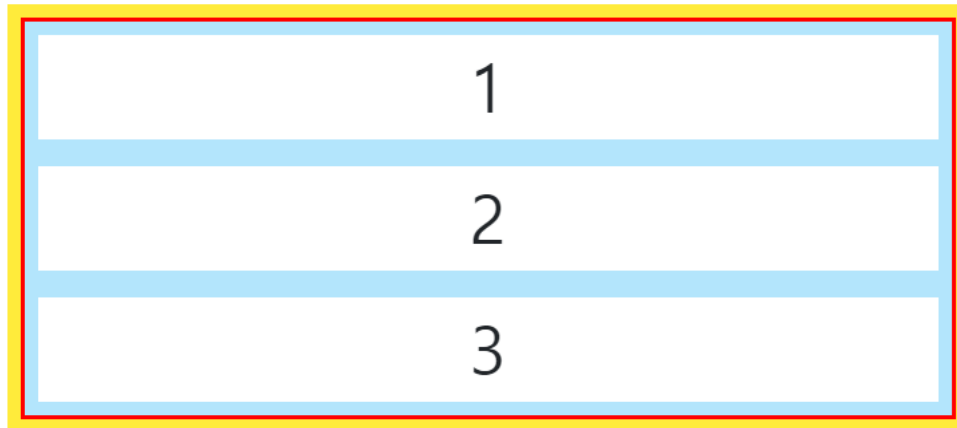
```
<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.2.0/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-gH2yIJqKdNHPEq004vj61jbLuzqZf/8t77bXz4jSf6C64i6ZyxqV0Z4q/w20Z=>
<!-- JavaScript Bundle with Popper -->
<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.2.0/dist/js/bootstrap.bundle.min.js" integrity="sha384-A3rJD856KowSb7dwlZdYEk039" data-cs="3" data-kind="parent">
```

```

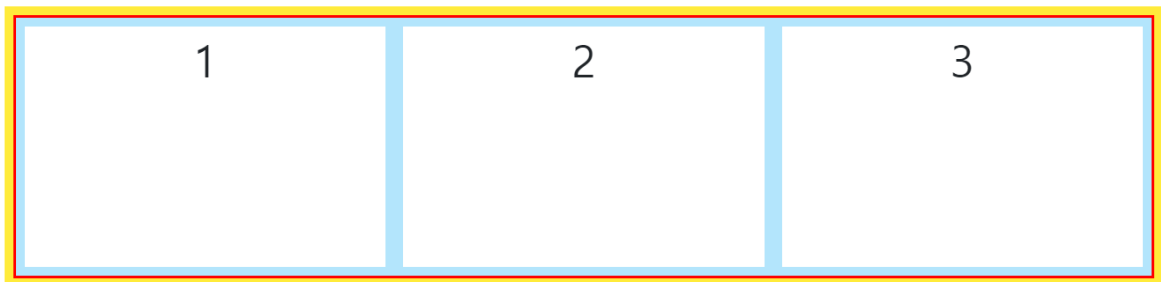
<div class="container">
  <div class="row">
    <div class="col-xxl">1</div>
    <div class="col-xxl">2</div>
    <div class="col-xxl">3</div>
  </div>
</div>

```

col-xxl



col-xxl



```

<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Document</title>

  <style>
    .container{
      margin: 10px auto;
      border: 10px solid #ffeb3b
    }

    .container > .row{
      border: 10px solid #b3e5fc
    }

    .container > .row > div {
      font-size: 50px;
      text-align: center;
    }

    .col-2{
      border: 10px solid #b3e5fc;
    }
  </style>

```

```

.col{
  border: 10px solid #b3e5fc;
}

.col-sm-4{
  border: 10px solid #b3e5fc;
}

.col-md-4{
  border: 10px solid #b3e5fc;
}

div{
  border: 10px solid #b3e5fc;
}

span{
  border: 10px solid greenyellow;
}

.row,
.row-vh-30{
  border: 3px solid red !important;
  height: 300px;
}

.row-vh-30{
  height: 300px;
}

</style>

<!-- CSS only -->
<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.2.0/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-gH2yIJqKdNHPEq
<!-- JavaScript Bundle with Popper -->
<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.2.0/dist/js/bootstrap.bundle.min.js" integrity="sha384-A3rJD856KowSb7dwlZdYEk039
</head>
<body>

<!-- Grid -->

<!-- Vertical Alignment -->
<h3>Vertical Alignment</h3>
<div class="container">
  <div class="row-vh-30">
    <span class="align-baseline">baseline</span>
    <span class="align-top">top<span>
    <span class="align-middle">middle<span>
  </div>
</div>

<!-- Display -->
<!-- d-{value}
d-{BR}-{value} -->

<h3>col d-none d-md-block</h3>
<div class="container">
  <div class="row">
    <div class="col d-none d-md-block">1</div>
    <div class="col">2</div>
    <div class="col">3</div>
  </div>
</div>

<h3>col d-none</h3>
<div class="container">
  <div class="row">
    <div class="col d-none">1</div>
    <div class="col">2</div>
    <div class="col">3</div>
  </div>
</div>

```

```

<h3>Before</h3>
<div>
  I was a BLOCK div element!
</div>

<span>
  I was a INLINE span element! Lorem ipsum dolor, sit amet consectetur adipisicing.
</span>

<h3>After</h3>
<div class="d-inline">
  I was a BLOCK div element!
</div>

<span class="d-block">
  I was a INLINE span element! Lorem ipsum dolor, sit amet consectetur adipisicing.
</span>

<!-- <Offset> 시작하는 지점을 정해준다 -->
<h3>Offset</h3>
<div class="container">
  <div class="row">
    <div class="col-md-4">1</div>
    <div class="col-md-4 offset-md-4">2</div>
  </div>
  <div class="row">
    <div class="col-sm-4">1</div>
    <div class="col-sm-4 offset-md-4">2</div>
  </div>
</div>

<!-- 순서 Ordering -->
<!-- 순서변경 -->
<h3>Ordering</h3>
<div class="container">
  <div class="row">
    <div class="col order-md-4">1</div>
    <div class="col order-md-3">2</div>
    <div class="col order-md-1 order-sm-last">3</div> 마지막 3
    <div class="col order-md-2">4</div>
  </div>
</div>

<div class="container">
  <div class="row">
    <div class="col">1</div>
    <div class="col order-last">2</div> 마지막 2
    <div class="col">3</div>
    <div class="col order-first">4</div> 처음 4
  </div>
</div>

<div class="container">
  <div class="row">
    <div class="col order-4">1</div>
    <div class="col">2</div>
    <div class="col order-1">3</div>
    <div class="col order-2">4</div>
  </div>
</div>

<!-- 균등 (앞뒤 여백 없이) -->
<h3>균등 (앞뒤 여백 없이)</h3>
<div class="container">
  <div class="row justify-content-between">
    <div class="col-2">1</div>
    <div class="col-2">2</div>
  </div>
</div>

```

```

        <div class="col-2">3</div>
    </div>
</div>

<!-- 균등 (앞뒤 여백 있게) -->
<h3>균등 (앞뒤 여백 있게)</h3>
<div class="container">
    <div class="row justify-content-around">
        <div class="col-2">1</div>
        <div class="col-2">2</div>
        <div class="col-2">3</div>
    </div>
</div>

<!-- 총 12칸이 기준이기 때문에 6칸을 넣으면 반만 차지하게 된다. -->
<!-- 중앙 배치 -->
<h3>중앙 배치</h3>
<div class="container">
    <div class="row justify-content-center">
        <div class="col-2">1</div>
        <div class="col-2">2</div>
        <div class="col-2">3</div>
    </div>
</div>

<!-- 좌측 배치 -->
<h3>좌측 배치</h3>
<div class="container">
    <div class="row justify-content-start">
        <div class="col-2">1</div>
        <div class="col-2">2</div>
        <div class="col-2">3</div>
    </div>
</div>

<!-- 우측 배치 -->
<h3>우측 배치</h3>
<div class="container">
    <div class="row justify-content-end">
        <div class="col-2">1</div>
        <div class="col-2">2</div>
        <div class="col-2">3</div>
    </div>
</div>

<h3>row row-cols-4</h3>
<div class="container">
    <div class="row row-cols-4">
        <div class="col">1aaa</div>
        <div class="col">2ssssssssssss</div>
        <div class="col">3</div>
        <div class="col">4</div>
    </div>
</div>

<h3>col-6</h3>
<div class="container">
    <div class="row row-cols-4">
        <div class="col">1</div>
        <div class="col">2</div>
        <div class="col-6">3</div>
        <div class="col">4</div>
    </div>
</div>

<h3>col-lg-2</h3>
<div class="container">
    <div class="row">
        <div class="col-lg-2">1</div>
        <div class="col-md-auto">2</div>
        <div class="col-lg-2">3</div>
    </div>
</div>

```



```

<div class="container">
  <div class="row">
    <div class="col">1</div>
    <div class="col">2</div>
    <div class="col">3</div>
    <div class="col">4</div>
    <div class="col">5</div>
    <div class="col">6</div>
    <div class="col">7</div>
    <div class="col">8</div>
    <div class="col">9</div>
    <div class="col">10</div>
  </div>
</div>

```

```

<h3>col-xxl</h3>
<div class="container">
  <div class="row">
    <div class="col-xxl">1</div>
    <div class="col-xxl">2</div>
    <div class="col-xxl">3</div>
  </div>
</div>

```

```

<h3>-xs</h3>
<h3>container-fluid</h3>
<h3>container-sm</h3>
<h3>container-md</h3>
<h3>container-lg</h3>

```

```

<div class="container">
  container (-xs)<br>
  Lorem ipsum, dolor sit amet consectetur adipisicing elit. Corrupti, aut libero. Blanditiis eos qui sit quaerat odit reprehende
</div>
<div class="container-fluid">
  container-fluid<br>
  Lorem ipsum, dolor sit amet consectetur adipisicing elit. Corrupti, aut libero. Blanditiis eos qui sit quaerat odit reprehende
</div>
<div class="container-sm">
  container-sm<br>
  Lorem ipsum, dolor sit amet consectetur adipisicing elit. Corrupti, aut libero. Blanditiis eos qui sit quaerat odit reprehende
</div>
<div class="container-md">
  container-md<br>
  Lorem ipsum, dolor sit amet consectetur adipisicing elit. Corrupti, aut libero. Blanditiis eos qui sit quaerat odit reprehende
</div>
<div class="container-lg">

```

