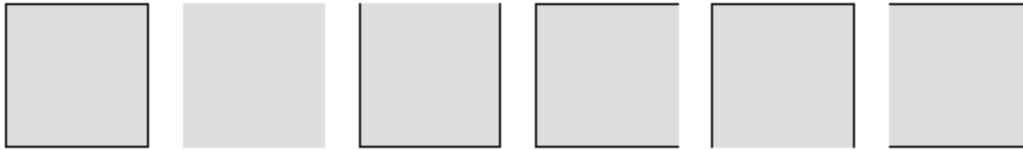

Bootstrap4

- Utilities -

Utilities

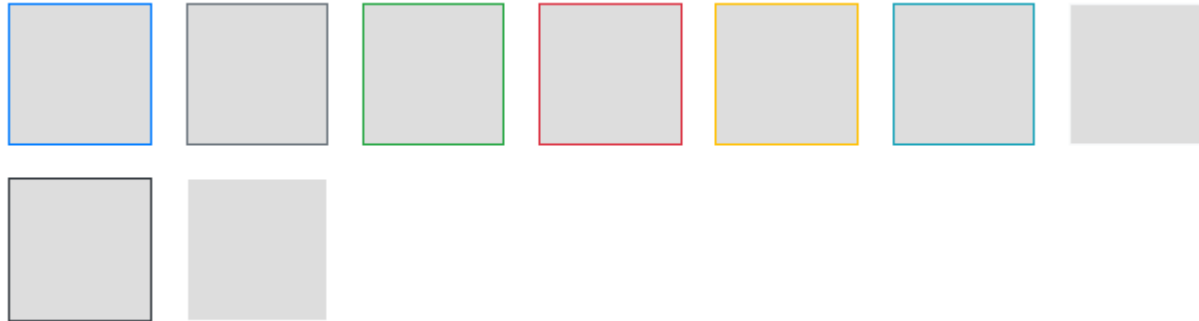
❖ Border



```
<span class="border"></span>  
<span class="border border-0"></span>  
<span class="border border-top-0"></span>  
<span class="border border-right-0"></span>  
<span class="border border-bottom-0"></span>  
<span class="border border-left-0"></span>
```

Utilities

❖ Border Color



```
<span class="border border-primary"></span>  
<span class="border border-secondary"></span>  
<span class="border border-success"></span>  
<span class="border border-danger"></span>  
<span class="border border-warning"></span>  
<span class="border border-info"></span>  
<span class="border border-light"></span>  
<span class="border border-dark"></span>  
<span class="border border-white"></span>
```

Utilities

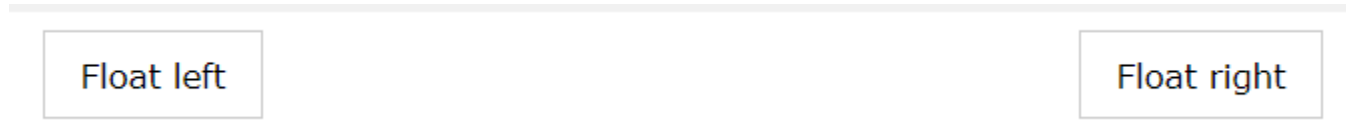
❖ Border Radius



```
<span class="rounded"></span>  
<span class="rounded-top"></span>  
<span class="rounded-right"></span>  
<span class="rounded-bottom"></span>  
<span class="rounded-left"></span>  
<span class="rounded-circle"></span>  
<span class="rounded-0"></span>
```

Utilities

❖ Float and Clearfix



```
<div class="clearfix">  
  <span class="float-left">Float left</span>  
  <span class="float-right">Float right</span>  
</div>
```

Utilities

❖ Center Align

```
<div class="mx-auto bg-warning" style="width:150px">Centered</div>
```

❖ Width

Width 25%

Width 50%

Width 75%

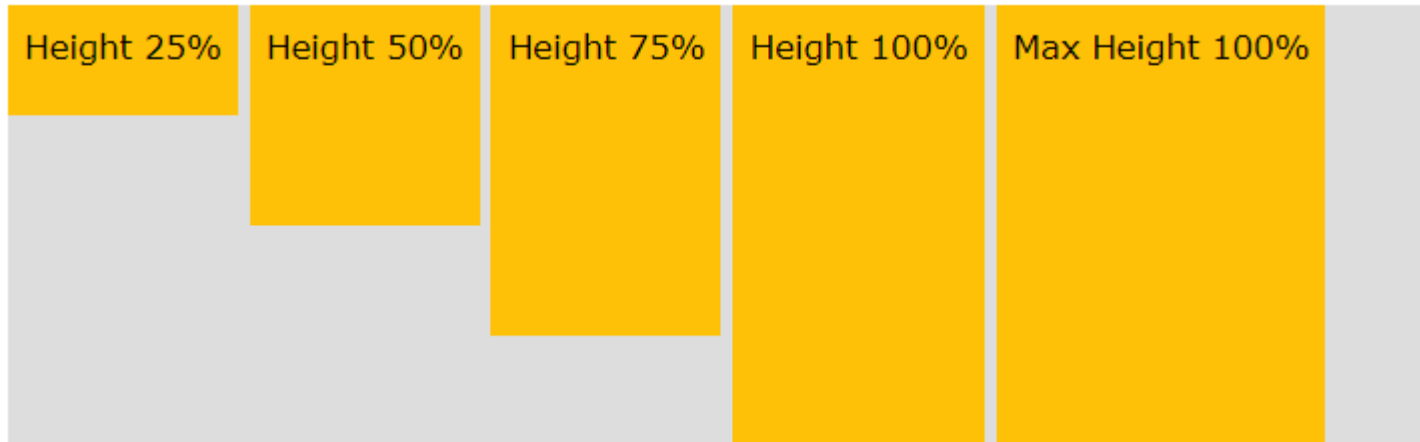
Width 100%

Max Width 100%

```
<div class="w-25 bg-warning">Width 25%</div>  
<div class="w-50 bg-warning">Width 50%</div>  
<div class="w-75 bg-warning">Width 75%</div>  
<div class="w-100 bg-warning">Width 100%</div>  
<div class="mw-100 bg-warning">Max Width 100%</div>
```

Utilities

❖ Height



```
<div style="height:200px;background-color:#ddd">  
  <div class="h-25 bg-warning">Height 25%</div>  
  <div class="h-50 bg-warning">Height 50%</div>  
  <div class="h-75 bg-warning">Height 75%</div>  
  <div class="h-100 bg-warning">Height 100%</div>  
  <div class="mh-100 bg-warning" style="height:500px">Max Height  
100%</div>  
</div>
```

Utilities

❖ Spacing

- xs ($\leq 576\text{px}$), sm ($\geq 576\text{px}$), md ($\geq 768\text{px}$), lg ($\geq 992\text{px}$), xl ($\geq 1200\text{px}$)
- format
 - `{property}{sides}-{size}` : xs
 - `{property}{sides}-{breakpoint}-{size}` : sm, md, lg, E|
- property
 - m : margin
 - p : padding

Utilities

❖ Spacing

○ Sides

- t : margin-top or padding-top
- b : margin-bottom or padding-bottom
- l : margin-left or padding-left
- r : margin-right or padding-right
- x : padding-left, padding-right / margin-left, margin-right
- y : padding-top, padding-bottom / margin-top, margin-bottom
- blank : all 4 sides of the element

Utilities

❖ Spacing

○ Size

- 0 : margin or padding to 0
- 1 : margin or padding to .25rem (4px if font-size is 16px)
- 2 : margin or padding to .5rem (8px if font-size is 16px)
- 3 : margin or padding to 1rem (16px if font-size is 16px)
- 4 : margin or padding to 1.5rem (24px if font-size is 16px)
- 5 : margin or padding to 3rem (48px if font-size is 16px)
- auto : sets margin to auto

```
<div class="pt-4 bg-warning">
```

```
  I only have a top padding (1.5rem = 24px)</div>
```

```
<div class="p-5 bg-success">
```

```
  I have a padding on all sides (3rem = 48px)</div>
```

```
<div class="m-5 pb-5 bg-info">
```

```
  I have a margin on all sides (3rem = 48px) and  
  a bottom padding (3rem = 48px)</div>
```

Utilities

❖ Shadows

No shadow

Small shadow

Default shadow

Large shadow

```
<div class="shadow-none p-4 mb-4 bg-light">No shadow</div>  
<div class="shadow-sm p-4 mb-4 bg-white">Small shadow</div>  
<div class="shadow p-4 mb-4 bg-white">Default shadow</div>  
<div class="shadow-lg p-4 mb-4 bg-white">Large shadow</div>
```

Utilities

❖ Vertical Align

```
<span class="align-baseline">baseline</span>  
<span class="align-top">top</span>  
<span class="align-middle">middle</span>  
<span class="align-bottom">bottom</span>  
<span class="align-text-top">text-top</span>  
<span class="align-text-bottom">text-bottom</span>
```

Utilities

❖ Visibility

```
<div class="visible">I am visible</div>  
<div class="invisible">I am invisible</div>
```

Utilities

❖ Typography/Text Classes

| | |
|---------------------|--|
| .display-* | Display headings are used to stand out more than normal headings (larger font-size and lighter font-weight), and there are four classes to choose from: .display-1, .display-2, .display-3, .display-4 |
| .font-weight-bold | Bold text |
| .font-weight-normal | Normal text |
| .font-weight-light | Light weight text |
| .font-italic | Italic text |
| .lead | Makes a paragraph stand out |
| .small | Indicates smaller text (set to 85% of the size of the parent) |
| .text-left | Indicates left-aligned text |
| .text-center | Indicates center-aligned text |
| .text-right | Indicates right-aligned text |
| .text-justify | Indicates justified text |
| .text-monospace | Monospaced text |
| .text-nowrap | Indicates no wrap text |
| .text-lowercase | Indicates lowercased text |
| .text-uppercase | Indicates uppercased text |
| .text-capitalize | Indicates capitalized text |

Utilities

❖ Typography/Text Classes

| | |
|-----------------|--|
| .initialism | Displays the text inside an <code><abbr></code> element in a slightly smaller font size |
| .list-unstyled | Removes the default list-style and left margin on list items (works on both <code></code> and <code></code>). This class only applies to immediate children list items (to remove the default list-style from any nested lists, apply this class to any nested lists as well) |
| .list-inline | Places all list items on a single line (used together with <code>.list-inline-item</code> on each <code></code> elements) |
| .pre-scrollable | Makes a <code><pre></code> element scrollable |