**Front-End Development** 



Responsive Web Framework



# **B** Bootstrap

- Bootstrap is a framework, designed to create responsive feature-rich websites much easier. To take advantage of its features framework, we have to write codes the way Bootstrap wants.
- Bootstrap features: fluid & fixed grid system, carousels, modals, drop-down menu, pop-ups, responsive sites, mobile friendly.
- More informations: *https://getbootstrap.com*





# **Grid System**

Bootstrap comes with a 12 columns grid system. We can add our content into its 'rows' & 'columns' using Bootstrap's CSS classes.

1	1		1		1	1	1		1	1		1		1		1	1
		4						4							4		
		4									8						
				6									6				
								12									





### Containers

- Containers surround the whole section of rows & columns. Rows represent a horizontal line of elements, and columns represent the horizontal space that element take up in a row.
- Fixed Container: has a fixed width, which changes at certain breakpoints & has built-in padding of 15px all the way around.
- Fluid Container: has a fluid width, which stretches to 100% of it's parent element & has built-in padding of 15px all the way around.







■ Insert CDN link (Works Online) https://getbootstrap.com

#### Bootstrap CDN

The folks over at MaxCDN graciously provide CDN support for Bootstrap's CSS and JavaScript. Just use these Bootstrap CDN links.

```
<!-- Latest compiled and minified CSS -->
klink rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/css/bootstrap.min.css"
integrity="sha384-BVYiiSIFeK1dGmJRAkycuHAHRg32OmUcww7on3RYdg4Va+PmSTsz/K68vbdEjh4u" crossorigin="anonymous">

<!-- Optional theme -->
klink rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/css/bootstrap-theme.min.css"
integrity="sha384-rHyoN1iRsVXV4nD0JutlnGaslCJuC7uwjduW9SVrLvRYooPp2bWYgmgJQIXwl/Sp" crossorigin="anonymous">

<!-- Latest compiled and minified JavaScript -->
</script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/js/bootstrap.min.js" integrity="sha384-Tc5IQib027qvyjSMfHjOMaLkfuWVxZxUPnCJA712mCWNIpG9mGCD8wGNIcPD7Txa" crossorigin="anonymous"></script>
```





# Setup #1 Online

#### ■ Insert CDN link (Works Online) https://getbootstrap.com

#### <head>

```
<meta name="viewport" content="width=device-width,initial-scale=1">
<link
rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/css/bootstrap.min.css"
integrity="sha384-BVYiiSIFeK1dGmJRAkycuHAHRg32OmUcww7on3RYdg4Va+PmSTsz/K68vbdEjh4u"
crossorigin="anonymous">
<link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/css/bootstrap-theme.min.css"
integrity="sha384-rHyoN1iRsVXV4nD0JutlnGaslCJuC7uwjduW9SVrLvRYooPp2bWYgmgJQIXwl/Sp"
crossorigin="anonymous">
</head></head>
```

#### <body>

```
<script
src="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/js/bootstrap.min.js"
integrity="sha384-Tc5IQib027qvyjSMfHjOMaLkfuWVxZxUPnCJA712mCWNIpG9mGCD8wGNIcPD7Txa"
crossorigin="anonymous"></script>
```







</head>

# Setup #2 Offline

■ Download locally (Works Offline).

First, download Bootstrap then extract it. Insert its folders (css, js & fonts) to your project dir & link it to your HTML file.

```
<head>
k rel="stylesheet" type="text/css"
href="css/bootstrap.min.css">

<script type="text/javascript"
src="js/bootstrap.min.js"></script>
```



### **Your 1st Bootstrap Code**

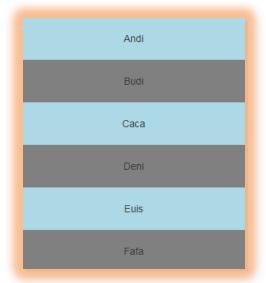
```
<head>
<link rel="stylesheet" type="text/css"</pre>
href="css/bootstrap.min.css">
<script type="text/javascript"</pre>
src="js/bootstrap.min.js"></script>
</head>
<body>
   <button class="btn btn-success">Klik Ini
   </button>
</body>
```



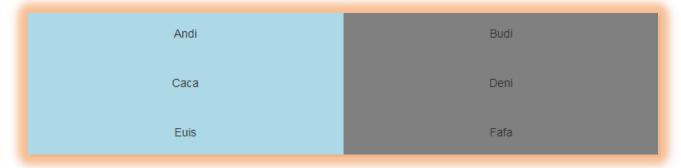
```
<head>
                                     Container
  <style>
    .container{
                                  It's a better way to
       background: yellow;
                                insert your elements
      height: 100px;
                                      to a container.
    .container-fluid{
      background: red;
      height: 100px;
                            (i) file:///D:/zzz/lintang/home.htm
  </style>
</head>
<body>
  <div class="container">Ini Fixed</div>
  <div class="container-fluid">Ini Fluid</div>
</body>
```

#### **xs** < 768px

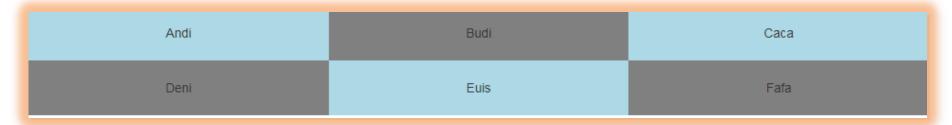
### **Rows & Columns**



**sm** < 992px



#### **md** < 1200px



Andi Budi	Caca	Deni	Euis	Fafa
-----------	------	------	------	------

```
<head>
       <link rel="stylesheet" type="text/css"</pre>
       href="css/bootstrap.min.css">
  <script type="text/javascript" src="js/bootstrap.min.js">
  </script>
<style>
 .gaya{text-align:center; background:lightblue; padding:20px}
 .gaya:nth-last-child(odd){background: grey}
 .container-fluid{height: 200px}
</style>
</head>
                               Rows & Columns
<body>
<div class="container-fluid">
<div class="row">
<div class="col-xs-12 col-sm-6 col-md-4 col-lg-2 gaya">Andi/div>
<div class="col-xs-12 col-sm-6 col-md-4 col-lg-2 gaya">Budi
<div class="col-xs-12 col-sm-6 col-md-4 col-lg-2 gaya">Caca</div>
<div class="col-xs-12 col-sm-6 col-md-4 col-lg-2 gaya">Deni/div>
<div class="col-xs-12 col-sm-6 col-md-4 col-lg-2 gaya">Euis
<div class="col-xs-12 col-sm-6 col-md-4 col-lg-2 gaya">Fafa
</div>
</div>
</body>
```

## Offset Columns

\_ □ X

```
<body>
<div class="container-fluid">
<div class="row">
<div class="col-xs-offset-2 col-xs-8 gaya">Andi</div>
<div class="col-xs-offset-2 col-xs-8 gaya">Budi</div>
<div class="col-xs-offset-2 col-xs-8 gaya">Caca</div>
<div class="col-xs-offset-2 col-xs-8 gaya">Deni</div>
<div class="col-xs-offset-2 col-xs-8 gaya">Euis
<div class="col-xs-offset-2 col-xs-8 gaya">Fafa</div>
</div>
</div>
                                          home.html
</body>
                                            C i file:///D:/zzz/lintang/home.html
                                                  Andi
                 Andi
                                                  Caca
                 Budi
                                                  Euis
                                                  Fafa
```

#### Push → Columns ←Pull

```
<body>
<div class="container-fluid">
<div class="row">
<div class="col-xs-8 col-xs-push-4 gaya">Andi</div>
<div class="col-xs-4 col-xs-pull-8 gaya">Budi</div>
</div>
</div>
</div>
</body>
```

#### Before pushing Andi 4 col & pulling Budi 8 col:

Andi Budi

#### After pushing Andi 4 col & pulling Budi 8 col:

Budi Andi



```
Text
<body>
                                 Styles
<div class="container-fluid">
 <div class="row">
   <div class="col-xs-12 gaya">
     Lorem Ipsum
   </div>
   <div class="col-xs-12 gaya">
     Lorem ipsum dolor sit
   </div>
 </div>
</div>
         home.html
</body>
```



```
<body>
                                     List
<div class="container-fluid">
                                  Styles
 <div class="row">
   <div class="col-xs-12 gaya">
     Bootstrap List
   </div>
                             for  &  try:
   <div class="col-xs-12 gaya">
                             // list-unstyled
     // list-inline
      <h3>Andi</h3>
                             for <dl> try:
      <h3>Budi</h3>
                             // dl-horizontal
      <h3>Caca</h3>
     </div>
```

# Bootstrap's List

</div>

</div>

</body>

Andi Budi Caca

# **Tooltips** *Basic*

# Klik link ini!

Cara mudah bikin website!



# Adding jQuery

#### <head>

```
<script src="js/jquery-</pre>
3.3.1.min.js"></script>
    <link rel="stylesheet" type="text/css"</pre>
href="css/bootstrap.min.css">
    <script type="text/javascript"</pre>
src="js/bootstrap.min.js"></script>
</head>
```



#### Add on <head>:

# **Tooltips** *Adding jQuery*

```
<script src="js/jquery-3.2.1.min.js">
</script>
```

# Cara mudah bikin website! Klik link ini!

### On <body> type:

```
<body>
<div class="container" style="padding:50px">
  <a href="#"
     data-toggle="tooltip"
     data-placement="top"
     title="Cara mudah bikin website!"
  > Klik link ini! </a>
</div>
<script>
  $(function(){
    $('[data-toggle="tooltip"]').tooltip();
  });
</script>
</body>
```



```
<body>
                                                Input
<div class="container">
                                      Text & Number #1
<hr>>
<form>
  <div class="form-group">
    <label for="nama"> Nama Lengkap </label>
    <input class="form-control" type="text" id="nama">
  </div>
  <div class="form-group">
    <label for="usia"> Usia </label>
    <input class="form-control" type="number" id="usia">
  </div>
</form>
</div>
</body>
             Nama Lengkap
              Lintang Wisesa
             Usia
              25
```

```
<body>
                                                Input
<div class="container">
                                      Text & Number #2
<hr>>
<form>
  <div class="form-group">
    <input class="form-control" type="text" id="nama"</pre>
    placeholder="Nama Lengkap">
  </div>
  <div class="form-group">
    <input class="form-control" type="number" id="usia"</pre>
    placeholder="Usia">
  </div>
</form>
</div>
</body>
            Nama Lengkap
            Usia
```

```
<body>
                                         Input
<div class="container">
                                        Checkbox
<hr>>
<form>
   <div class="form-group">
      <label class="checkbox-inline">
          <input type="checkbox">Hacker
      </label>
      <label class="checkbox-inline">
          <input type="checkbox">Hustler
      </label>
      <label class="checkbox-inline">
          <input type="checkbox">Hipster
      </label>
   </div>
</form>
</div>
                        Hacker
                               ■ Hustler ✓ Hipster
</body>
```

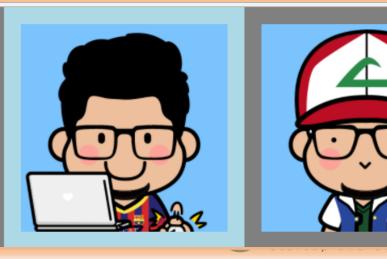
```
Input
<body>
<div class="container">
                                    Radio Button
<hr>>
<form>
   <div class="form-group">
      <label class="radio-inline">
          <input type="radio" name="sex">Pria
      </label>
      <label class="radio-inline">
          <input type="radio" name="sex">Wanita
      </label>
   </div>
</form>
</div>
</body>
            Pria Wanita
```

```
<body>
                                       Button
<div class="container-fluid">
                                           Style
<div class="row">
<div class="col-xs-12 gaya">
Bootstrap Button #1
</div>
<div class="col-xs-12 gaya">
<button class="btn btn-default">Default//
<button class="btn btn-primary">Primary</button>
<button class="btn btn-info">Info/button>
<button class="btn btn-warning">Warning/button>
<button class="btn btn-danger">Danger</button>
<button class="btn btn-success">Success/button>
</div>
</div>
</div>
                     Bootstrap Button #1
</body>
                      Primary
                           Info
                  Default
                                   Danger
                                       Success
```

```
<body>
                                         Button
<div class="container-fluid">
                                              Size
<div class="row">
<div class="col-xs-12 gaya">
Bootstrap Button #2
</div>
<div class="col-xs-12 gaya">
<button class="btn btn-xs">Ini XS</button>
<button class="btn btn-sm">Ini SM</button>
<button class="btn btn-md">Ini MD</button>
<button class="btn btn-lg">Ini LG/button>
<button class="btn active">Ini Aktif</button>
<button class="btn disabled">Ini Disabled//button>
</div>
</div>
</div>
                      Bootstrap Button #2
</body>
                     Ini SM
                         Ini MD
                              Ini LG
                                   Ini Aktif
                  Ini XS
                                       Ini Disabled
```

```
Image
<body>
<div class="container-fluid">
                                        Responsive
<div class="row">
   <div class="col-xs-4 gaya">
      <img src="gbr/lin1.png" class="img-responsive">
   </div>
   <div class="col-xs-4 gaya">
      <img src="gbr/lin2.png" class="img-responsive">
  </div>
   <div class="col-xs-4 gaya">
      <img src="gbr/lin3.png" class="img-responsive">
   </div>
</div>
```





**Image** Shape

```
<div class="col-xs-4 gaya">
   <img src="gbr/lin1.png" class="img-responsive"</pre>
   img-rounded center-block">
</div>
<div class="col-xs-4 gaya">
   <img src="gbr/lin2.png" class="img-responsive"</pre>
   img-circle center-block">
</div>
<div class="col-xs-4 gaya">
   <img src="gbr/lin3.png" class="img-responsive</pre>
   img-thumbnail center-block">
</div>
```



## Visibility

```
<body>
<div class="container-fluid">
 <div class="row">
  <div class="col-xs-4 hidden-xs gaya">
   <img src="gbr/lin1.png" class="img-responsive">
  </div>
  <div class="col-xs-4 visible-md gaya">
   <img src="gbr/lin2.png" class="img-responsive">
  </div>
  <div class="col-xs-4 gaya">
   <img src="gbr/lin3.png" class="img-responsive">
  </div>
 </div>
                                       md
               XS
</div>
              U file:///D:/zzz/lin
</body>
```





## Dropdown

```
<body>
<div class="container" style="padding:50px">
<div class="dropdown">
 <button class="btn btn-primary dropdown-toggle"</pre>
 data-toggle="dropdown">
 Pilih Menu <div class="caret"></div>
 </button>
 <a href="#">Beranda</a>
                                    Pilih Menu ▼
   <a href="#">Blog</a>
                                    Beranda
   <a href="#">Galeri</a>
                                    Blog
   <a href="#">Tentang</a>
                                    Galeri
   <a href="#">Kontak</a>
                                    Tentang
                                    Kontak
 </div>
```

</div>

</body>



# **Dropdown Header**

```
Pilih Nasi
<a href="#">Nasi Gudeg</a>
<a href="#">Nasi Uduk</a>
<a href="#">Nasi Goreng</a>
<a href="#">Nasi Liwet</a>
Pilih Sayur
<a href="#">Sayur Lodeh</a>
<a href="#">Sayur Buncis</a>
<a href="#">Sayur Bayam</a>
<a href="#">Sayur Kangkung</a>
```

#### Pilih Menu →

Pilihan Nasi

Nasi Gudeg

Nasi Uduk

Nasi Goreng

Nasi Liwet

Pilihan Sayur

Sayur Lodeh

Sayur Buncis

Sayur Bayam

Sayur Kangkung



```
Tabs & Pills
<body>
<div class="container">
 class="nav nav-pills nav-justified">
  <a href="#">Beranda</a>
  <a href="#">Blog</a>
  <a href="#">Galeri</a>
  <a href="#">Tentang</a>
  <a href="#">Kontak</a>
 </div></div></body>
           class="nav nav-pills nav-justified"
 Beranda
            Blog
                                Tentang
                      Galeri
                                           Kontak
           class="nav nav-tabs nav-justified"
  Beranda
             Blog
                      Galeri
                                Tentang
                                          Kontak
```

# Tabs & Pills Adding jQuery

#### Add on <head>:

```
<script src="js/jquery-3.2.1.min.js"></script>

   Add on <body>:

<script>
   $(".nav li").on("click", function(){
     $(".nav li").removeClass("active");
     $(this).addClass("active");
});
</script>
```

#### class="active" when clicked!

Beranda Blog Galeri Tentang Kontak

## Navbar

```
<body>
<nav class="navbar navbar-default">
<div class="container">
 <a href="#">Beranda</a>
  <a href="#">Blog</a>
  <a href="#">Galeri</a>
  <a href="#">Tentang</a>
  <a href="#">Kontak</a>
 "navbar-inverse"
</div>
                   "navbar-fixed-top"
</nav>
                   "navbar-fixed-bottom"
</body>
```

Beranda Blog Galeri Tentang Kontak

### **Navbar Header**

```
<body>
 <nav class="navbar navbar-default">
 <div class="container">
  <div class="navbar-header">
   <a href="#" class="navbar-brand">
    <img src="gbr/lin2.png" width="25px">
   </a>
  </div>
  <a href="#">Beranda</a>
  </div>
                  Beranda
                        Blog
                            Galeri
                                       Kontak
                                 Tentang
 </nav>
</body>
```



#### **Navbar Button**



Beranda

</body>

Blog

Galeri

Tentang

Kontak



```
<body>
<nav class="navbar navbar-default">
 <div class="container">
  <a href="#">Kontak</a>
  <button class="btn btn-primary navbar-btn</pre>
    navbar-right"> DAFTAR </button>
 </div>
</nav>
```



```
Navbar
<body>
<nav class="navbar navbar-default">
                                     Badge & Label
 <div class="container">
   <a href="#">Beranda</a>
   <button class="btn btn-primary navbar-btn navbar-right"</pre>
   style="margin-top:10px">
       Pesan <span class="label label-danger">NEW</span>
   </button>
   <button class="btn btn-primary navbar-btn navbar-right"</pre>
   style="margin:10px">
       Notifikasi <span class="badge">24</span>
   </button>
```

```
</div></nav></body>
```

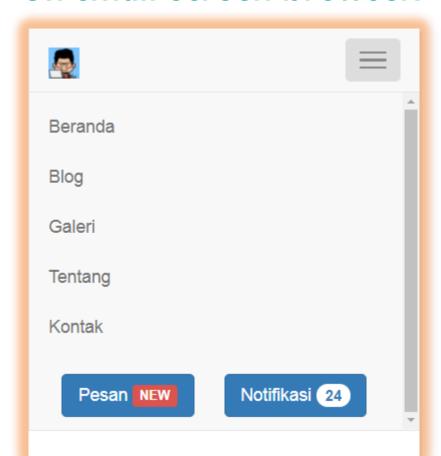


### **Mobile Navbar**

#### On large screen browser:



#### On small screen browser:





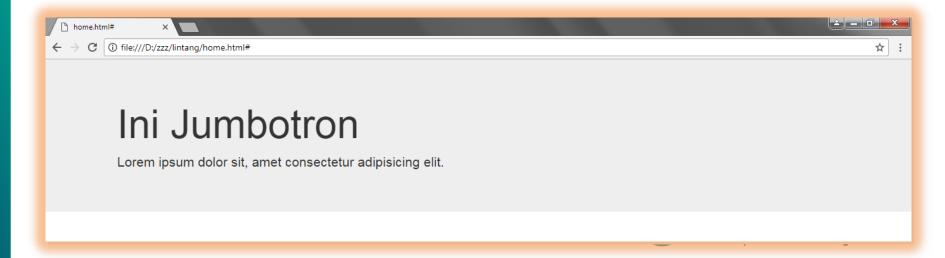
## Mobile Navbar #1

```
<body>
<nav class="navbar navbar-default">
<div class="container">
  <div class="navbar-header">
    <a href="#" class="navbar-brand">
      <img src="gbr/lin2.png" width="25px">
    </a>
  <button class="navbar-toggle collapsed"</pre>
  data-toggle="collapse" data-target="#lintang">
    <span class="icon-bar"></span>
    <span class="icon-bar"></span>
    <span class="icon-bar"></span>
  </button>
</div>
<div class="collapse navbar-collapse"</pre>
id="lintang">
```

## Mobile Navbar #2

```
<a href="#">Beranda</a>
 <a href="#">Blog</a>
<button class="btn btn-primary navbar-btn</pre>
navbar-right"
style="margin:10px">
Pesan <span class="label label-danger">NEW</span>
</button>
<button class="btn btn-primary navbar-btn</pre>
navbar-right"
style="margin:10px">
Notifikasi <span class="badge">24</span>
</button>
</div></div></nav></body>
```

#### **Jumbotron**



```
<body>
<div class="container" style="padding:100px">
  <div class="row">
    <div class="col-xs-12">
      <div class="panel panel-primary">
        <div class="panel-heading">
          <h1>Ini Panel</h1>
        </div>
        <div class="panel-body">
          Lorem, ipsum dolor sit amet.
        </div>
        <div class="panel-footer">
          <a href="#">Selengkapnya...</a>
        </div>
      </div>
                               Ini Panel
    </div>
  </div>
```

# **Panel**

</div>

</body>

Lorem, ipsum dolor sit amet consectetur adipisicing elit.

Selengkapnya...

#### Carousel

```
<body>
 <div class="carousel" id="iniCarousel"</pre>
data-ride="carousel">
   <div class="carousel-inner">
      <div class="item active">
         <img src="gbr/lin1.png">
      </div>
      <div class="item">
         <img src="gbr/lin2.png">
      </div>
      <div class="item">
         <img src="gbr/lin3.png">
      </div>
   </div>
</div>
</body>
```





#### **Carousel Slide**

```
<body>
 <div class="carousel slide" id="iniCarousel"</pre>
data-ride="carousel">
   <div class="carousel-inner">
      <div class="item active">
         <img src="gbr/lin1.png">
      </div>
      <div class="item">
         <img src="gbr/lin2.png">
      </div>
      <div class="item">
         <img src="gbr/lin3.png">
      </div>
   </div>
</div>
</body>
```







# **Carousel Caption**

```
<body>
 <div class="carousel slide" id="iniCarousel"</pre>
 data-ride="carousel">
   <div class="carousel-inner">
      <div class="item active">
         <img src="gbr/lin1.png">
         <div class="carousel-caption">
            <h2> Halo Dunia! </h2>
         </div>
      </div>
      <div class="item">
         <img src="gbr/lin2.png">
      </div>
      <div class="item">
         <img src="gbr/lin3.png">
      </div>
   </div>
</div></body>
```





## **Carousel Control**

```
<body>
 <div class="carousel slide"</pre>
 id="iniCarousel"
 data-ride="carousel">
   <div class="carousel-inner">
      <div class="item active">
         <img src="gbr/lin3.png">
      </div>
   </div>
   <a class="right carousel-control"</pre>
   href="#iniCarousel" data-slide="next">
        <span class=</pre>
         "glyphicon glyphicon-chevron-right">
        </span>
                    right - next
   </a>
</div></body>
                     left - prev
```



# **Glyphicon**

#### https://getbootstrap.com/docs/3.3/components/

glyphicon glyphicon- sound-5-1	glyphicon glyphicon- sound-6-1	glyphicon glyphicon- sound-7-1	glyphicon glyphicon- copyright-mark	glyphicon glyphicon- registration- mark	glyphicon glyphicon- cloud- download	glyphicon glyphicon- cloud-upload	glyphicon glyphicon-tree- conifer
glyphicon glyphicon-tree- deciduous	glyphicon glyphicon-cd	glyphicon glyphicon- save-file	glyphicon glyphicon- open-file	glyphicon glyphicon-level- up	glyphicon glyphicon-copy	glyphicon glyphicon- paste	glyphicon glyphicon-alert
glyphicon glyphicon- equalizer	glyphicon glyphicon-king	glyphicon glyphicon- queen	glyphicon glyphicon-pawn	glyphicon glyphicon- bishop	glyphicon glyphicon- knight	glyphicon glyphicon- baby-formula	glyphicon glyphicon-tent
glyphicon glyphicon- blackboard	glyphicon glyphicon-bed	glyphicon glyphicon- apple	glyphicon glyphicon- erase	glyphicon glyphicon- hourglass	glyphicon glyphicon-lamp	glyphicon glyphicon- duplicate	glyphicon glyphicon- piggy-bank
glyphicon glyphicon- scissors	glyphicon glyphicon- bitcoin	glyphicon glyphicon-btc	<b>B</b> glyphicon glyphicon-xbt	glyphicon glyphicon-yen	glyphicon glyphicon-jpy	glyphicon glyphicon-ruble	glyphicon glyphicon-rub

## **Carousel Indicator**

```
<body>
<div class="carousel slide"</pre>
id="iniCarousel"
data-ride="carousel">
 data-slide-to="0" class="active">
   data-slide-to="1">
   data-slide-to="2">
  <div class="carousel-inner">
  // // // // // // // // //
</div></body>
```





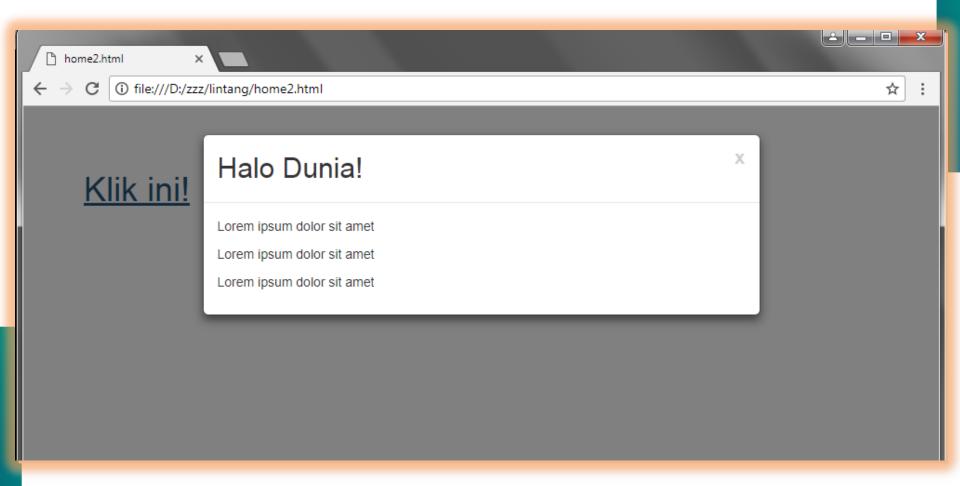
## Carousel

Adding jQuery on <body>

```
<script>
   $(function() {
      $('.carousel').carousel({
         interval: 1000,
         pause: false,
         wrap: true,
         keyboard: true
      });
   });
</script>
```



# **Modal Pop-Up**

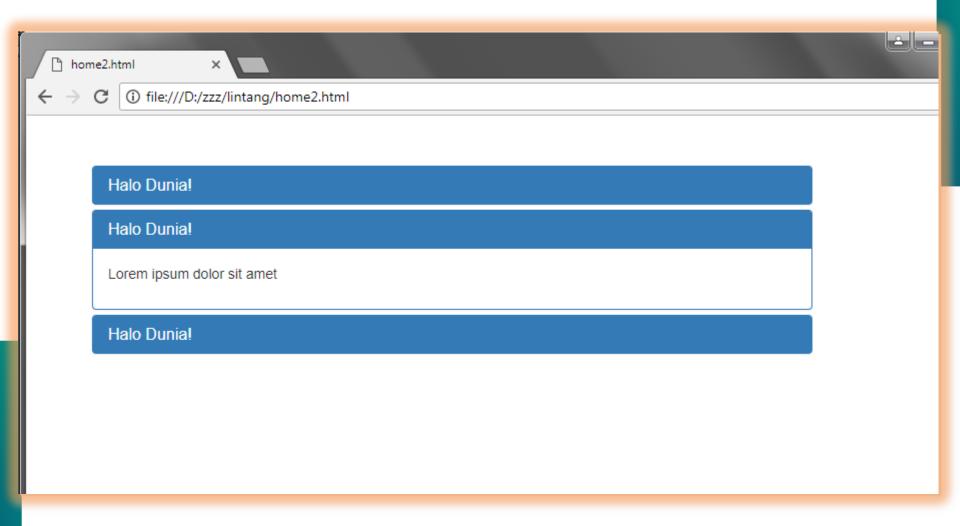




# **Modal Pop-Up**

```
<body>
<div class="container" style="margin:50px">
<div class="modal" id="lin Modal">
<div class="modal-dialog">
<div class="modal-content">
<div class="modal-header">
<button class="close" data-dismiss="modal">x</button>
<h2 class="modal-title">Halo Dunia!</h2>
</div>
<div class="modal-body">
Lorem ipsum dolor sit amet
Lorem ipsum dolor sit amet
Lorem ipsum dolor sit amet
</div>
</div>
</div>
</div>
<a href="#" data-toggle="modal"</pre>
data-target="#lin_Modal"><h1>Klik ini!</h1></a>
</div>
</body>
```

# Accordions





#### **Accordions**

```
<body>
<div class="container" style="margin:50px">
<div class="panel-group" id="lin Accor">
  <div class="panel panel-primary">
   <div class="panel-heading">
     <h3 class="panel-title" data-target="#panel-1"</pre>
     data-toggle="collapse"
     data-parent="#lin_Accor">Halo Dunia!</h3>
   </div>
   <div class="panel-collapse collapse" id="panel-1">
    <div class="panel-body">
       Lorem ipsum dolor sit amet
    </div>
   </div>
  </div>
</div>
</div>
</body>
```

# ScrollReveal

Easy scroll animations for web and mobile browsers

https://scrollrevealjs.org/

#1 Installation (Works Online)



# ScrollReveal

- #2 Installation (Works Offline)
- \* Download: github.com/jlmakes/scrollreveal
- \* Extract & insert its JS file to JS Bootstrap folder
- \* Link to your HTML file



# Basic ScrollReveal Part 1

```
<!DOCTYPE html>
<head>
      <script src="js/jquery-</pre>
3.3.1.min.js"></script>
      <link rel="stylesheet" type="text/css"</pre>
href="css/bootstrap.min.css">
      <script type="text/javascript"</pre>
src="js/bootstrap.min.js"></script>
      <script
src="js/scrollreveal.min.js"></script>
      <script>
        window.sr = ScrollReveal();
    </script>
    <title>Purwadhika</title>
</head>
```



# Basic ScrollReveal Part 2

```
<body>
    <div class="tes-anim">
        <h1>Halo Dunia!</h1>
        <button class="btn btn-primary">
         Klik Ini
        </button>
    </div>
    <script>
        sr.reveal('.tes-anim');
    </script>
</body>
</html>
```



## ScrollReveal

```
<body>
  <div class="tes-anim">
    <h1>Halo Dunia!</h1>
    <button class="btn btn-primary">
      Klik Ini
    </button>
  </div>
  <script>
    sr.reveal('.tes-anim', {
      duration: 2000,
      delay: 2000,
      origin: 'right', //top,bottom,right,left
      distance: '300px',
      viewFactor: 0.1
    });
  </script>
</body>
```

**Front-End Development** 



# Bootstrap

Responsive Web Framework

