Bootstrap is the popular HTML, CSS and JavaScript framework for developing a responsive and mobile friendly website.

Our Bootstrap tutorial includes all topics of Bootstrap such as jumbotron, table, button, grid, form, image, alert, wells, container, carousel, panels, glyphicon, badges, labels, progress bar, pagination, pager, list group, dropdown, collapse,tabs, pills, navbar, inputs, modals, tooltip, popover and scrollspy.

What is Bootstrap

* Bootstrap is the most popular HTML, CSS and JavaScript framework for developing a responsive and mobile friendly website.
* It is absolutely free to download and use.
* It is a front-end framework used for easier and faster web development.
* It includes HTML and CSS based design templates for typography, forms, buttons, tables, navigation, modals, image carousels and many others.
* It can also use JavaScript plug-ins.
* It facilitates you to create responsive designs.

### What Bootstrap package contains

**Scaffolding:** Bootstrap provides a basic structure with Grid System, link styles, and background.

**CSS:** Bootstrap comes with the feature of global CSS settings, fundamental HTML elements style and an advanced grid system.

**Components:** Bootstrap contains a lot of reusable components built to provide iconography, dropdowns, navigation, alerts, pop-overs, and much more.

**JavaScript Plugins:** Bootstrap also contains a lot of custom jQuery plugins. You can easily include them all, or one by one.

**Customize:** Bootstrap components are customizable and you can customize Bootstrap's components, LESS variables, and jQuery plugins to get your own style.

## What is Bootstrap 4?

Bootstrap is the newest and latest version of Bootstrap. It is the most popular HTML, CSS, JavaScript framework for developing responsive, mobile first websites.

## Bootstrap 3 vs. Bootstrap 4

Bootstrap 4 has some new components, faster stylesheet, more buttons, effects and more responsiveness.

Bootstrap 4 supports some the latest, stable releases of all major browsers and platforms.

#### Note: Internet Explorer 9 and down is not supported by Bootstrap 4. Although Internet Explorer 8-9 supported Bootstrap 3. So, if you have Internet Explorer 8-9, you should use Bootstrap 3. Bootstrap 3 is the most stable version of Bootstrap, and it is still supported by the team for critical bugfixes and documentation changes.

# First Bootstrap Example

**Add the HTML 5 doctype:** Bootstrap uses HTML elements and CSS properties, so you have to add the HTML 5 doctype at the beginning of the page with lang attribute and correct character set.

**Ex:**

1. <!DOCTYPE html**>**
2. **<html** lang="en"**>**
3. **<head><meta** http-equiv="Content-Type" content="text/html; charset=windows-1252"**>**
5. **<title>**Any title**</title>**
6. **</head>**
7. **<body>**
8. //write code
9. **</body>**
10. **</html>**

**Bootstrap is mobile friendly:** Bootstrap 3 is designed to be responsive to mobile devices.

Mobile-first styles are part of the core framework of Bootstrap.You have to add the following <meta> tag inside the <head> element for proper rendering and touch zooming:

Java Try Catch

1. **<meta** name="viewport" content="width=device-width, initial-scale=1"**>**

**Note:** The **"width=device-width"**part is used to set the width of the page to follow the screen-width of the device (vary according to the devices).

The **initial-scale=1** part is used to set the initial zoom level when the page is first loaded by the browser.

**Containers:** container is used to wrap the site contents. There are two container classes.

* The**.container class** provides a responsive fixed width container.
* The **.container-fluid** class provides a full width container, spanning the entire width of the viewport.

#### Note: A container cannot be placed inside a container.

### First Bootstrap Example (with responsive fixed width container)

1. <!DOCTYPE html**>**
2. **<html** lang="en"**>**
3. **<head>**
4. **<title>**This is a Bootstrap example**</title>**
6. **<meta** name="viewport" content="width=device-width, initial-scale=1"**>**
7. **<link** rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.6/css/bootstrap.min.css"**>**
8. **</head>**
9. **<body>**
10. **<div** class="container"**>**
11. **<h1>** First Bootstrap web page**</h1>**
12. **<p>**Write your text here..**</p>**
13. **</div>**
15. **<script** src="https://ajax.googleapis.com/ajax/libs/jquery/1.12.0/jquery.min.js"**></script>**
16. **<script** src="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.6/js/bootstrap.min.js"**></script>**
17. **</body>**
18. **</html>**

# Bootstrap Container

In Bootstrap, container is used to set the content's margins dealing with the responsive behaviors of your layout. It contains the row elements and the row elements are the container of columns (known as grid system).

The **container class** is used to create boxed content.

There are two container classes in Bootstrap:

1. container
2. container-fluid

**See the basic layout of a container:**

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Features of Java - Javatpoint

1. **<html>**
2. **<body>**
3. **<div** class="container"**>**
4. **<div** class="row"**>**
5. **<div** class="col-md-xx"**></div>**
6. ...
7. **</div>**
8. **<div** class="row"**>**
9. **<div** class="col-md-xx"**></div>**
10. ...
11. **</div>**
12. **</div>**
13. **</body>**
14. **</html>**

## Bootstrap container example

1. <!DOCTYPE html**>**
2. **<html** lang="en"**>**
3. **<head>**
4. **<title>**Job**</title>**
5. **<link** rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.6/css/bootstrap.min.css"**/>**
6. **</head>**
7. **<body>**
9. **<div** class="container"**>**
10. **<h1>**Container**</h1>**
11. **<p>**container content**</p>**
12. **</div>**
14. **<div** class="container-fluid"**>**
15. **<h1>**Container-fluid**</h1>**
16. **<p>**container-fluid content**</p>**
17. **</div>**
19. **<script** src="https://ajax.googleapis.com/ajax/libs/jquery/1.11.3/jquery.min.js"**></script>**
20. **<script** src="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.5/js/bootstrap.min.js"**></script>**
21. **</body>**
22. **</html>**

<!DOCTYPE html>

<html lang=*"en"*>

<head>

<title>Bootstrap Example</title>

<meta charset=*"utf-8"*>

<meta name=*"viewport"* content=*"width=device-width, initial-scale=1"*>

<link rel=*"stylesheet"* href=*"https://maxcdn.bootstrapcdn.com/bootstrap/3.3.6/css/bootstrap.min.css"*>

</head>

<body>

<div class=*"container"*>

<div class=*"jumbotron"*>

<h1>This is Jumbotron inside container!</h1>

<p>Jumbotron specifies a big box for getting extra attention to some special content or information.</p>

</div>

<p>This is some text.</p>

<p>This is another text.</p>

</div>

<script src=*"https://ajax.googleapis.com/ajax/libs/jquery/1.12.0/jquery.min.js"*></script>

<script src=*"https://maxcdn.bootstrapcdn.com/bootstrap/3.3.6/js/bootstrap.min.js"*></script>

</body>

</html>

<!DOCTYPE html>

<html lang=*"en"*>

<head>

<title>Bootstrap Example</title>

<meta charset=*"utf-8"*>

<meta name=*"viewport"* content=*"width=device-width, initial-scale=1"*>

<link rel=*"stylesheet"* href=*"https://maxcdn.bootstrapcdn.com/bootstrap/3.3.6/css/bootstrap.min.css"*>

</head>

<body>

<div class=*"container"*>

<div class=*"page-header"*>

<h1>Example Page Header</h1>

</div>

<p>This is some text.</p>

<p>This is another text.</p>

</div>

<script src=*"https://ajax.googleapis.com/ajax/libs/jquery/1.12.0/jquery.min.js"*></script>

<script src=*"https://maxcdn.bootstrapcdn.com/bootstrap/3.3.6/js/bootstrap.min.js"*></script>

</body>

</html>

# Bootstrap Buttons

There are seven styles to add a button in Bootstrap. Use the following classes to achieve the different button styles:

* .btn-default
* .btn-primary
* .btn-success
* .btn-info
* .btn-warning
* .btn-danger
* .btn-link

## Bootstrap Button Example: specifying seven styles

1. <!DOCTYPE html**>**
2. **<html** lang="en"**>**
3. **<head>**
4. **<title>**Job**</title>**
5. **<link** rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.6/css/bootstrap.min.css"**/>**
6. **</head>**
7. **<body>**
8. **<h1>**Button Example!**</h1>**
10. **<button** class="btn btn-default"**>**default**</button>**
11. **<button** class="btn btn-primary"**>**primary**</button>**
12. **<button** class="btn btn-danger"**>**danger**</button>**
13. **<button** class="btn btn-success"**>**success**</button>**
14. **<button** class="btn btn-info"**>**info**</button>**
15. **<button** class="btn btn-warning"**>**warning**</button>**
16. **<button** class="btn btn-link"**>**Link**</button>**
18. **<script** src="https://ajax.googleapis.com/ajax/libs/jquery/1.11.3/jquery.min.js"**></script>**
19. **<script** src="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.5/js/bootstrap.min.js"**></script>**
20. **</body>**
21. **</html>**

### Example:

Let's see all buttons supported in Bootstrap 4.

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History of Java

1. <!DOCTYPE html**>**
2. **<html** lang="en"**>**
3. **<head>**
4. **<title>**Bootstrap Example**</title>**
5. **<meta** charset="utf-8"**>**
6. **<meta** name="viewport" content="width=device-width, initial-scale=1"**>**
7. **<link** rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0-beta.2/css/bootstrap.min.css"**>**
8. **<script** src="https://ajax.googleapis.com/ajax/libs/jquery/3.2.1/jquery.min.js"**></script>**
9. **<script** src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.12.6/umd/popper.min.js"**></script>**
10. **<script** src="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0-beta.2/js/bootstrap.min.js"**></script>**
11. **</head>**
12. **<body>**
14. **<div** class="container"**>**
15. **<h2>**Button Styles**</h2>**
16. **<button** type="button" class="btn"**>**Basic**</button>**
17. **<button** type="button" class="btn btn-primary"**>**Primary**</button>**
18. **<button** type="button" class="btn btn-secondary"**>**Secondary**</button>**
19. **<button** type="button" class="btn btn-success"**>**Success**</button>**
20. **<button** type="button" class="btn btn-info"**>**Info**</button>**
21. **<button** type="button" class="btn btn-warning"**>**Warning**</button>**
22. **<button** type="button" class="btn btn-danger"**>**Danger**</button>**
23. **<button** type="button" class="btn btn-dark"**>**Dark**</button>**
24. **<button** type="button" class="btn btn-light"**>**Light**</button>**
25. **<button** type="button" class="btn btn-link"**>**Link**</button>**
26. **</div>**
28. **</body>**
29. **</html>**

[**Test it Now**](https://www.javatpoint.com/oprweb/test.jsp?filename=bootstrap4buttons)

## Bootstrap Button Size

In Bootstrap, you can choose a button according to your requirement. It provides four button sizes.

The following classes define the different sizes:

* .btn-lg
* .btn-md
* .btn-sm
* .btn-xs

**Example:**

1. <!DOCTYPE html**>**
2. **<html** lang="en"**>**
3. **<head>**
4. **<title>**Bootstrap Example**</title>**
5. **<meta** charset="utf-8"**>**
6. **<meta** name="viewport" content="width=device-width, initial-scale=1"**>**
7. **<link** rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.6/css/bootstrap.min.css"**>**
8. **<script** src="https://ajax.googleapis.com/ajax/libs/jquery/1.12.0/jquery.min.js"**></script>**
9. **<script** src="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.6/js/bootstrap.min.js"**></script>**
10. **</head>**
11. **<body>**
13. **<div** class="container"**>**
14. **<h2>**Button Sizes**</h2>**
15. **<button** type="button" class="btn btn-primary btn-lg"**>**Large**</button>**
16. **<button** type="button" class="btn btn-primary btn-md"**>**Medium**</button>**
17. **<button** type="button" class="btn btn-primary btn-sm"**>**Small**</button>**
18. **<button** type="button" class="btn btn-primary btn-xs"**>**XSmall**</button>**
19. **</div>**
21. **</body>**
22. **</html>**

[**Test it Now**](https://www.javatpoint.com/oprweb/test.jsp?filename=bootstrapbutton2)

## Bootstrap Enable/Disable Buttons

You can set a button disable or unclickable state.

The **.active class** is used to make a button appear pressed, and the **class .disabled**makes a button unclickable:

**Example:**

1. <!DOCTYPE html**>**
2. **<html** lang="en"**>**
3. **<head>**
4. **<title>**Bootstrap Example**</title>**
5. **<meta** charset="utf-8"**>**
6. **<meta** name="viewport" content="width=device-width, initial-scale=1"**>**
7. **<link** rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.6/css/bootstrap.min.css"**>**
8. **<script** src="https://ajax.googleapis.com/ajax/libs/jquery/1.12.0/jquery.min.js"**></script>**
9. **<script** src="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.6/js/bootstrap.min.js"**></script>**
10. **</head>**
11. **<body>**
13. **<div** class="container"**>**
14. **<h2>**Button States**</h2>**
15. **<button** type="button" class="btn btn-primary"**>**Primary Button**</button>**
16. **<button** type="button" class="btn btn-primary active"**>**Active Primary**</button>**
17. **<button** type="button" class="btn btn-primary disabled"**>**Disabled Primary**</button>**
18. **</div>**
20. **</body>**
21. **</html>**

[**Test it Now**](https://www.javatpoint.com/oprweb/test.jsp?filename=bootstrapbutton3)

## Bootstrap Block level buttons

The block level button covers the entire width of the parent element.

The **.btn-block class** is used to create a block level button:

**Example:**

1. <!DOCTYPE html**>**
2. **<html** lang="en"**>**
3. **<head>**
4. **<title>**Bootstrap Example**</title>**
5. **<meta** charset="utf-8"**>**
6. **<meta** name="viewport" content="width=device-width, initial-scale=1"**>**
7. **<link** rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.6/css/bootstrap.min.css"**>**
8. **<script** src="https://ajax.googleapis.com/ajax/libs/jquery/1.12.0/jquery.min.js"**></script>**
9. **<script** src="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.6/js/bootstrap.min.js"**></script>**
10. **</head>**
11. **<body>**
13. **<div** class="container"**>**
14. **<h2>**Block Level Buttons**</h2>**
15. **<button** type="button" class="btn btn-primary btn-block"**>**Button 1**</button>**
16. **<button** type="button" class="btn btn-default btn-block"**>**Button 2**</button>**
18. **<h2>**Large Block Level Buttons**</h2>**
19. **<button** type="button" class="btn btn-primary btn-lg btn-block"**>**Button 1**</button>**
20. **<button** type="button" class="btn btn-default btn-lg btn-block"**>**Button 2**</button>**
22. **<h2>**Small Block Level Buttons**</h2>**
23. **<button** type="button" class="btn btn-primary btn-sm btn-block"**>**Button 1**</button>**
24. **<button** type="button" class="btn btn-default btn-sm btn-block"**>**Button 2**</button>**
25. **</div>**
27. **</body>**
28. **</html>**

[**Test it Now**](https://www.javatpoint.com/oprweb/test.jsp?filename=bootstrapbutton4)

## Button Classes with other elements

You can use button classes with other tags i.e. <a>, <button>, or <input> element etc.

### Example:

1. <!DOCTYPE html**>**
2. **<html** lang="en"**>**
3. **<head>**
4. **<title>**Bootstrap Example**</title>**
5. **<meta** charset="utf-8"**>**
6. **<meta** name="viewport" content="width=device-width, initial-scale=1"**>**
7. **<link** rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0-beta.2/css/bootstrap.min.css"**>**
8. **<script** src="https://ajax.googleapis.com/ajax/libs/jquery/3.2.1/jquery.min.js"**></script>**
9. **<script** src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.12.6/umd/popper.min.js"**></script>**
10. **<script** src="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0-beta.2/js/bootstrap.min.js"**></script>**
11. **</head>**
12. **<body>**
14. **<div** class="container"**>**
15. **<h2>**Button Classes with other Elements**</h2>**
16. **<a** href="#" class="btn btn-info" role="button"**>**Link Button**</a>**
17. **<button** type="button" class="btn btn-info"**>**Button**</button>**
18. **<input** type="button" class="btn btn-info" value="Input Button"**>**
19. **<input** type="submit" class="btn btn-info" value="Submit Button"**>**
20. **</div>**
22. **</body>**
23. **</html>**

[**Test it Now**](https://www.javatpoint.com/oprweb/test.jsp?filename=bootstrap4buttons1)

## Button Outline/ Bordered buttons

Bootstrap 4 provides eight outline/bordered buttons:

### Example

1. <!DOCTYPE html**>**
2. **<html** lang="en"**>**
3. **<head>**
4. **<title>**Bootstrap Example**</title>**
5. **<meta** charset="utf-8"**>**
6. **<meta** name="viewport" content="width=device-width, initial-scale=1"**>**
7. **<link** rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0-beta.2/css/bootstrap.min.css"**>**
8. **<script** src="https://ajax.googleapis.com/ajax/libs/jquery/3.2.1/jquery.min.js"**></script>**
9. **<script** src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.12.6/umd/popper.min.js"**></script>**
10. **<script** src="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0-beta.2/js/bootstrap.min.js"**></script>**
11. **</head>**
12. **<body>**
14. **<div** class="container"**>**
15. **<h2>**Button Outline/ Bordered Buttons**</h2>**
16. **<button** type="button" class="btn btn-outline-primary"**>**Primary**</button>**
17. **<button** type="button" class="btn btn-outline-secondary"**>**Secondary**</button>**
18. **<button** type="button" class="btn btn-outline-success"**>**Success**</button>**
19. **<button** type="button" class="btn btn-outline-info"**>**Info**</button>**
20. **<button** type="button" class="btn btn-outline-warning"**>**Warning**</button>**
21. **<button** type="button" class="btn btn-outline-danger"**>**Danger**</button>**
22. **<button** type="button" class="btn btn-outline-dark"**>**Dark**</button>**
23. **<button** type="button" class="btn btn-outline-light text-dark"**>**Light**</button>**
24. **</div>**
26. **</body>**

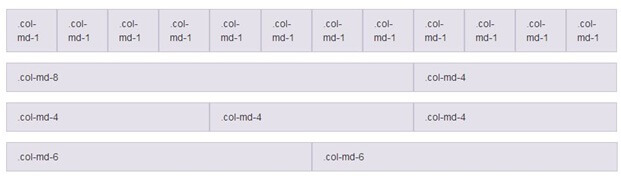
# Bootstrap Grid

Wikipedia says:

"In graphic design, a grid is a structure (usually two-dimensional) made up of a series of intersecting straight (vertical, horizontal) lines used to structure the content. It is widely used to design layout and content structure in print design. In web design, it is a very effective method to create a consistent layout rapidly and effectively using HTML and CSS."

### Bootstrap Grid System

The Bootstrap Grid System allows up to 12 columns across the page. You can use all 12 columns individually or you can groups the columns together to create wider columns.



Bootstrap Grid System is responsive and the columns are re-arranged automatically according to the screen size.

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### Grid Classes:

There are four classes in Bootstrap Grid System:

* xs (for phones)
* sm (for tablets)
* md (for desktops)
* lg (for larger desktops)

You can combine the above classes to create more dynamic and flexible layouts.

### Basic Structure of a Bootstrap Grid:

1. **<div** class="row"**>**
2. **<div** class="col-\*-\*"**></div>**
3. **</div>**
4. **<div** class="row"**>**
5. **<div** class="col-\*-\*"**></div>**
6. **<div** class="col-\*-\*"**></div>**
7. **<div** class="col-\*-\*"**></div>**
8. **</div>**
9. **<div** class="row"**>**
10. ...
11. **</div>**

### Follow the below instructions while creating a Bootstrap Grid:

* Create a row (<div class="row">).
* Add the number of columns, you want in the grid (tags with appropriate .col-\*-\* classes).
* Note that numbers in .col-\*-\* should always add up to 12 for each row.

### Bootstrap Grid Example

**For equal columns:**

1. <!DOCTYPE html**>**
2. **<html** lang="en"**>**
3. **<head>**
4. **<title>**Job**</title>**
5. **<link** rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.6/css/bootstrap.min.css"**/>**
6. **</head>**
7. **<body>**
9. **<div** class="container"**>**
10. **<h1>**Grid Example**</h1>**
12. **<div** class="row"**>**
13. **<div** class="col-md-3"style="background-color:lavender;"**>**Rahul**</div>**
14. **<div** class="col-md-3"style="background-color:lavenderblush;"**>**Vijay**</div>**
15. **<div** class="col-md-3"style="background-color:lavender;"**>**Kartik**</div>**
16. **<div** class="col-md-3"style="background-color:lavenderblush;"**>**Ajeet**</div>**
17. **</div>**
19. **</div>**
20. **<script** src="https://ajax.googleapis.com/ajax/libs/jquery/1.11.3/jquery.min.js"**></script>**
21. **<script** src="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.5/js/bootstrap.min.js"**></script>**
22. **</body>**
23. **</html>**

[**Test it Now**](https://www.javatpoint.com/oprweb/test.jsp?filename=bootstrapgrid1)

**For unequal columns:**

1. <!DOCTYPE html**>**
2. **<html** lang="en"**>**
3. **<head>**
4. **<title>**Job**</title>**
5. **<link** rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.6/css/bootstrap.min.css"**/>**
6. **</head>**
7. **<body>**
9. **<div** class="container"**>**
10. **<h1>**Grid Example**</h1>**
12. **<div** class="row"**>**
13. **<div** class="col-md-1"style="background-color:lavender;"**>**Rahul**</div>**
14. **<div** class="col-md-2"style="background-color:lavenderblush;"**>**Vijay**</div>**
15. **<div** class="col-md-4"style="background-color:lavender;"**>**Kartik**</div>**
16. **<div** class="col-md-5"style="background-color:lavenderblush;"**>**Ajeet**</div>**
17. **</div>**
19. **</div>**
21. **<script** src="https://ajax.googleapis.com/ajax/libs/jquery/1.11.3/jquery.min.js"**></script>**
22. **<script** src="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.5/js/bootstrap.min.js"**></script>**
23. **</body>**
24. **</html>**

# Bootstrap Tables

We can create different types of Bootstrap tables by using different classes to style them.

### Bootstrap Basic Table:

The basic Bootstrap table has a light padding and only horizontal dividers. The**.table class** is used to add basic styling to a table.

**Example:**

1. <!DOCTYPE html**>**
2. **<html** lang="en"**>**
3. **<head>**
4. **<title>**Job**</title>**
5. **<link** rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.6/css/bootstrap.min.css"**/>**
6. **</head>**
7. **<body>**
9. **<div** class="container"**>**
10. **<h1>**Basic Table Example**</h1>**
12. **<table** class="table"**>**
13. **<tr><th>**Id**</th><th>**Name**</th><th>**Age**</th></tr>**
14. **<tr><td>**101**</td><td>**Rahul**</td><td>**23**</td></tr>**
15. **<tr><td>**102**</td><td>**Umesh**</td><td>**22**</td></tr>**
16. **<tr><td>**103**</td><td>**Max**</td><td>**29**</td></tr>**
17. **<tr><td>**104**</td><td>**Ajeet**</td><td>**21**</td></tr>**
18. **</table>**
20. **</div>**
22. **<script** src="https://ajax.googleapis.com/ajax/libs/jquery/1.11.3/jquery.min.js"**></script>**
23. **<script** src="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.5/js/bootstrap.min.js"**></script>**
24. **</body>**
25. **</html>**

[**Test it Now**](https://www.javatpoint.com/oprweb/test.jsp?filename=bootstraptable1)

### Bootstrap Striped Rows Table:

The **.table-striped class** is used to add zebra-stripes to a table:

25.3M

432

Hello Java Program for Beginners

1. <!DOCTYPE html**>**
2. **<html** lang="en"**>**
3. **<head>**
4. **<title>**Job**</title>**
5. **<link** rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.6/css/bootstrap.min.css"**/>**
6. **</head>**
7. **<body>**
9. **<div** class="container"**>**
10. **<h1>**Striped Table Example**</h1>**
12. **<table** class="table table-striped"**>**
13. **<tr><th>**Id**</th><th>**Name**</th><th>**Age**</th></tr>**
14. **<tr><td>**101**</td><td>**Rahul**</td><td>**23**</td></tr>**
15. **<tr><td>**102**</td><td>**Umesh**</td><td>**22**</td></tr>**
16. **<tr><td>**103**</td><td>**Max**</td><td>**29**</td></tr>**
17. **<tr><td>**104**</td><td>**Ajeet**</td><td>**21**</td></tr>**
18. **</table>**
20. **</div>**
22. **<script** src="https://ajax.googleapis.com/ajax/libs/jquery/1.11.3/jquery.min.js"**></script>**
23. **<script** src="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.5/js/bootstrap.min.js"**></script>**
24. **</body>**
25. **</html>**

[**Test it Now**](https://www.javatpoint.com/oprweb/test.jsp?filename=bootstraptable2)

### Bootstrap Bordered table:

The **.table-bordered class** is used to add borders on all sides of the table and cells:

1. <!DOCTYPE html**>**
2. **<html** lang="en"**>**
3. **<head>**
4. **<title>**Job**</title>**
5. **<link** rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.6/css/bootstrap.min.css"**/>**
6. **</head>**
7. **<body>**
9. **<div** class="container"**>**
10. **<h1>**Bordered Table Example**</h1>**
12. **<table** class="table table-striped table-bordered"**>**
13. **<tr><th>**Id**</th><th>**Name**</th><th>**Age**</th></tr>**
14. **<tr><td>**101**</td><td>**Rahul**</td><td>**23**</td></tr>**
15. **<tr><td>**102**</td><td>**Umesh**</td><td>**22**</td></tr>**
16. **<tr><td>**103**</td><td>**Max**</td><td>**29**</td></tr>**
17. **<tr><td>**104**</td><td>**Ajeet**</td><td>**21**</td></tr>**
18. **</table>**
20. **</div>**
22. **<script** src="https://ajax.googleapis.com/ajax/libs/jquery/1.11.3/jquery.min.js"**></script>**
23. **<script** src="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.5/js/bootstrap.min.js"**></script>**
24. **</body>**
25. **</html>**

# Bootstrap Forms

In Bootstrap, there are three types of form layouts:

* Vertical form (this is default)
* Horizontal form
* Inline form

## Bootstrap Form Rules

There are three standard rules for these 3 form layouts:

* Always use <form role="form"> (helps improve accessibility for people using screen readers)
* Wrap labels and form controls in <div class="form-group"> (needed for optimum spacing)
* Add class .form-control to all textual <input>, <textarea>, and <select> elements

### 1) Bootstrap Vertical Form (Default)

1. <!DOCTYPE html**>**
2. **<html** lang="en"**>**
3. **<head>**
4. **<title>**Bootstrap example**</title>**
5. **<link** rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.6/css/bootstrap.min.css"**/>**
6. **</head>**
7. **<body>**
9. **<div** class="container"**>**
10. **<h1>**Vertical Form Example**</h1>**
12. **<form** style="width:300px"**>**
13. **<div** class="form-group"**>**
14. **<label** for="exampleInputEmail1"**>**Email address**</label>**
15. **<input** type="email" class="form-control" id="exampleInputEmail1" placeholder="Email"**>**
16. **</div>**
17. **<div** class="form-group"**>**
18. **<label** for="exampleInputPassword1"**>**Password**</label>**
19. **<input** type="password" class="form-control" id="exampleInputPassword1" placeholder="Password"**>**
20. **</div>**
22. **<button** type="submit" class="btn btn-default"**>**Login**</button>**
23. **</form>**
25. **</div>**
27. **<script** src="https://ajax.googleapis.com/ajax/libs/jquery/1.11.3/jquery.min.js"**></script>**
28. **<script** src="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.5/js/bootstrap.min.js"**></script>**
29. **</body>**
30. **</html>**

[**Test it Now**](https://www.javatpoint.com/oprweb/test.jsp?filename=bootstrapform1)

### 2) Bootstrap Inline Form

In Bootstrap Inline forms, all elements are inline, left-aligned, and the labels are alongside.

This example is only applied to forms within viewports that are at least 768px wide!

Java Try Catch

**Example:**

2. <!DOCTYPE html**>**
3. **<html** lang="en"**>**
4. **<head>**
5. **<title>**Bootstrap Example**</title>**
6. **<meta** charset="utf-8"**>**
7. **<meta** name="viewport" content="width=device-width, initial-scale=1"**>**
8. **<link** rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.6/css/bootstrap.min.css"**>**
10. **</head>**
11. **<body>**
13. **<div** class="container"**>**
14. **<h2>**Inline form Example**</h2>**
15. **<form** class="form-inline" role="form"**>**
16. **<form** style="width:300px"**>**
17. **<div** class="form-group"**>**
18. **<label** for="exampleInputEmail1"**>**Email address**</label>**
19. **<input** type="email" class="form-control" id="exampleInputEmail1" placeholder="Email"**>**
20. **</div>**
21. **<div** class="form-group"**>**
22. **<label** for="exampleInputPassword1"**>**Password**</label>**
23. **<input** type="password" class="form-control" id="exampleInputPassword1" placeholder="Password"**>**
24. **</div>**
26. **<button** type="submit" class="btn btn-default"**>**Login**</button>**
27. **</form>**
29. **</div>**
30. **<script** src="https://ajax.googleapis.com/ajax/libs/jquery/1.12.0/jquery.min.js"**></script>**
31. **<script** src="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.6/js/bootstrap.min.js"**></script>**
33. **</body>**
34. **</html>**

# Bootstrap Alerts

Bootstrap Alerts are used to provide an easy way to create predefined alert messages. Alert adds a style to your messages to make it more appealing to the users.

There are four classes that are used within <div> element for alerts.

* .alert-success
* .alert-info
* .alert-warning
* .alert-danger

## Bootstrap Alert Example

1. <!DOCTYPE html**>**
2. **<html** lang="en"**>**
3. **<head>**
4. **<title>**Bootstrap Example**</title>**
5. **<meta** charset="utf-8"**>**
6. **<meta** name="viewport" content="width=device-width, initial-scale=1"**>**
7. **<link** rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.6/css/bootstrap.min.css"**>**
8. **<script** src="https://ajax.googleapis.com/ajax/libs/jquery/1.12.0/jquery.min.js"**></script>**
9. **<script** src="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.6/js/bootstrap.min.js"**></script>**
10. **</head>**
11. **<body>**
13. **<div** class="container"**>**
14. **<h2>**Alerts**</h2>**
15. **<div** class="alert alert-success"**>**
16. **<strong>**Success!**</strong>** This alert box indicates a successful or positive action.
17. **</div>**
18. **<div** class="alert alert-info"**>**
19. **<strong>**Info!**</strong>** This alert box indicates a neutral informative change or action.
20. **</div>**
21. **<div** class="alert alert-warning"**>**
22. **<strong>**Warning!**</strong>** This alert box indicates a warning that might need attention.
23. **</div>**
24. **<div** class="alert alert-danger"**>**
25. **<strong>**Danger!**</strong>** This alert box indicates a dangerous or potentially negative action.
26. **</div>**
27. **</div>**
29. **</body>**
30. **</html>**

# Bootstrap Pagination

Pagination is used to sort the web pages of your website in an organized manner. It becomes very necessary if your website has a lot of web pages.

Following is a list of classes that Bootstrap provides to handle pagination.

**Table:**

10 Sec

Prime Ministers of India | List of Prime Minister of India (1947-2020)

|  |  |
| --- | --- |
| **Class** | **Description** |
| .pagination | Add this class to get the pagination on your page. |
| .disabled,  .active | you can customize links by using .disabled for unclickable links and .active to indicate the current page. |
| .pagination-lg,  .pagination-sm | use these classes to get different size items. |

## Bootstrap Pagination Example

Add the **.pagination class** to an <ul> element to create a basic pagination.

**See this example:**

1. <!DOCTYPE html**>**
2. **<html** lang="en"**>**
3. **<head>**
4. **<title>**Bootstrap Example**</title>**
5. **<meta** charset="utf-8"**>**
6. **<meta** name="viewport" content="width=device-width, initial-scale=1"**>**
7. **<link** rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.6/css/bootstrap.min.css"**>**
9. **</head>**
10. **<body>**
12. **<div** class="container"**>**
13. **<h2>**A basic pagination example:**</h2>**
14. **<p>**The .pagination class provides pagination links:**</p>**
15. **<ul** class="pagination"**>**
16. **<li><a** href="#"**>**1**</a></li>**
17. **<li><a** href="#"**>**2**</a></li>**
18. **<li><a** href="#"**>**3**</a></li>**
19. **<li><a** href="#"**>**4**</a></li>**
20. **<li><a** href="#"**>**5**</a></li>**
21. **</ul>**
22. **</div>**
24. **<script** src="https://ajax.googleapis.com/ajax/libs/jquery/1.12.0/jquery.min.js"**></script>**
25. **<script** src="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.6/js/bootstrap.min.js"**></script>**
27. **</body>**
28. **</html>**

[**Test it Now**](https://www.javatpoint.com/oprweb/test.jsp?filename=bootstrappagination1)

### Bootstrap Active State

The active state specifies the current page on which user is active.

The **class .active**is used to specify active state.

**See this example:**

1. <!DOCTYPE html**>**
2. **<html** lang="en"**>**
3. **<head>**
4. **<title>**Bootstrap Example**</title>**
5. **<meta** charset="utf-8"**>**
6. **<meta** name="viewport" content="width=device-width, initial-scale=1"**>**
7. **<link** rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.6/css/bootstrap.min.css"**>**
9. **</head>**
10. **<body>**
12. **<div** class="container"**>**
13. **<h2>**Active State Pagination: Example**</h2>**
14. **<p>**Specify the current active state of the user.**</p>**
15. **<ul** class="pagination"**>**
16. **<li><a** href="#"**>**1**</a></li>**
17. **<li** class="active"**><a** href="#"**>**2**</a></li>**
18. **<li><a** href="#"**>**3**</a></li>**
19. **<li><a** href="#"**>**4**</a></li>**
20. **<li><a** href="#"**>**5**</a></li>**
21. **</ul>**
22. **</div>**
24. **<script** src="https://ajax.googleapis.com/ajax/libs/jquery/1.12.0/jquery.min.js"**></script>**
25. **<script** src="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.6/js/bootstrap.min.js"**></script>**
27. **</body>**
28. **</html>**

[**Test it Now**](https://www.javatpoint.com/oprweb/test.jsp?filename=bootstrappagination2)

### Bootstrap Disabled State

The disabled state specifies that you cannot click on the link.

Add **class .disabled** to disable the links you don't need more.

**See this example:**

1. <!DOCTYPE html**>**
2. **<html** lang="en"**>**
3. **<head>**
4. **<title>**Bootstrap Example**</title>**
5. **<meta** charset="utf-8"**>**
6. **<meta** name="viewport" content="width=device-width, initial-scale=1"**>**
7. **<link** rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.6/css/bootstrap.min.css"**>**
9. **</head>**
10. **<body>**
12. **<div** class="container"**>**
13. **<h2>**Disabled State Pagination Example:**</h2>**
14. **<p>**Here, 4 and 5 links are disabled.**</p>**
15. **<ul** class="pagination"**>**
16. **<li><a** href="#"**>**1**</a></li>**
17. **<li><a** href="#"**>**2**</a></li>**
18. **<li><a** href="#"**>**3**</a></li>**
19. **<li** class="disabled"**><a** href="#"**>**4**</a></li>**
20. **<li><a** href="#"**>**5**</a></li>**
21. **</ul>**
22. **</div>**
24. **<script** src="https://ajax.googleapis.com/ajax/libs/jquery/1.12.0/jquery.min.js"**></script>**
25. **<script** src="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.6/js/bootstrap.min.js"**></script>**
27. **</body>**
28. **</html>**

# Bootstrap Progress Bar

The progress bar shows how far a user is in a process. In Bootstrap, there are several types of progress bars.

The **class .progress**within a <div> element is used to create a default progress bar in bootstrap.

## Bootstrap Progress Bar Example

1. <!DOCTYPE html**>**
2. **<html** lang="en"**>**
3. **<head>**
4. **<title>**Bootstrap Progress bar**</title>**
5. **<meta** charset="utf-8"**>**
6. **<meta** name="viewport" content="width=device-width, initial-scale=1"**>**
7. **<link** rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.6/css/bootstrap.min.css"**>**
9. **</head>**
10. **<body>**
12. **<div** class="container"**>**
13. **<h2>**Default Progress Bar**</h2>**
14. **<div** class="progress"**>**
15. **<div** class="progress-bar" role="progressbar" aria-valuenow="70" aria-valuemin="0" aria-valuemax="100" style="width:70%"**>**
16. **<span** class="sr-only"**>**70% Complete**</span>**
17. **</div>**
18. **</div>**
19. **</div>**
20. **<script** src="https://ajax.googleapis.com/ajax/libs/jquery/1.12.0/jquery.min.js"**></script>**
21. **<script** src="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.6/js/bootstrap.min.js"**></script>**
22. **</body>**
23. **</html>**

[**Test it Now**](https://www.javatpoint.com/oprweb/test.jsp?filename=bootstrapprogressbar1)

### Bootstrap 4 Basic Progress Bar

Progress bar is used to show a user how far long he/she is in a process. To create create a default progress bar, add a .progress class to a container element and and the progress-bar class to its child element. Use the CSS width property to set the width of the progress bar.

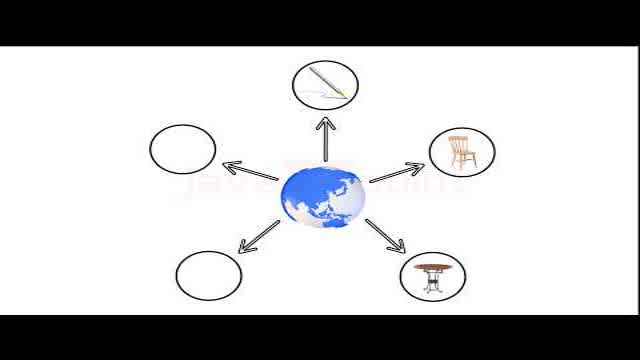
### Example

1. <!DOCTYPE html**>**
2. **<html** lang="en"**>**
3. **<head>**
4. **<title>**Bootstrap Example**</title>**
5. **<meta** charset="utf-8"**>**
6. **<meta** name="viewport" content="width=device-width, initial-scale=1"**>**
7. **<link** rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0-beta.2/css/bootstrap.min.css"**>**
8. **<script** src="https://ajax.googleapis.com/ajax/libs/jquery/3.2.1/jquery.min.js"**></script>**
9. **<script** src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.12.6/umd/popper.min.js"**></script>**
10. **<script** src="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0-beta.2/js/bootstrap.min.js"**></script>**
11. **</head>**
12. **<body>**
14. **<div** class="container"**>**
15. **<h2>**Progress Bar With Label**</h2>**
16. **<div** class="progress"**>**
17. **<div** class="progress-bar" style="width:70%"**>**70%**</div>**
18. **</div>**
19. **</div>**
21. **</body>**
22. **</html>**

[**Test it Now**](https://www.javatpoint.com/oprweb/test.jsp?filename=bootstrap4progressbar1)

### Bootstrap Progress bar with Label

The progress bar with label specifies the percentage of progress of a specific process.



OOPs Concepts in Java

You have to remove the .sr-only class from the progress bar to show a visible percentage.

**See this example:**

1. <!DOCTYPE html**>**
2. **<html** lang="en"**>**
3. **<head>**
4. **<title>**Bootstrap Example**</title>**
5. **<meta** charset="utf-8"**>**
6. **<meta** name="viewport" content="width=device-width, initial-scale=1"**>**
7. **<link** rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.6/css/bootstrap.min.css"**>**
9. **</head>**
10. **<body>**
12. **<div** class="container"**>**
13. **<h2>**Progress Bar With Label**</h2>**
14. **<div** class="progress"**>**
15. **<div** class="progress-bar" role="progressbar"
16. aria-valuenow="76" aria-valuemin="0" aria-valuemax="100" style="width:76%"**>**
17. 76%
18. **</div>**
19. **</div>**
20. **</div>**
22. **<script** src="https://ajax.googleapis.com/ajax/libs/jquery/1.12.0/jquery.min.js"**></script>**
23. **<script** src="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.6/js/bootstrap.min.js"**></script>**
25. **</body>**
26. **</html>**

# Bootstrap Collapse

Bootstrap collapse is used when you want to hide and show large amount of content.

The **".collapse" class** is used to specify the collapsible element.

## Bootstrap Collapse Example

1. <!DOCTYPE html**>**
2. **<html>**
3. **<head>**
4. **<meta** name="viewport" content="width=device-width, initial-scale=1"**>**
5. **<link** rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.6/css/bootstrap.min.css"**>**
7. **</head>**
8. **<body>**
10. **<div** class="container"**>**
11. **<h2>**Basic Collapse Example**</h2>**
12. **<button** type="button" class="btn btn-info" data-toggle="collapse" data-target="#demo"**>**Simple collapsible**</button>**
13. **<div** id="demo" class="collapse"**>**
14. Tigers and Lions are the most ferocious animals on the earth. They belong to the felidae(cat) family.
15. They are both from the four big cats. These four big cats are Lion, Tiger, Leopard, and Jaguar.
16. These animals reside on the top of the food chain and don't have any predators.
17. **</div>**
18. **</div>**
19. **<script** src="https://ajax.googleapis.com/ajax/libs/jquery/1.12.0/jquery.min.js"**></script>**
20. **<script** src="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.6/js/bootstrap.min.js"**></script>**
21. **</body>**
22. **</html>**

[**Test it Now**](https://www.javatpoint.com/oprweb/test.jsp?filename=bootstrapcollapse1)

### Bootstrap Collapsible Panel

You can also collapse a panel.

**See this example:**

HTML Tutorial

1. <!DOCTYPE html**>**
2. **<html>**
3. **<head>**
4. **<meta** name="viewport" content="width=device-width, initial-scale=1"**>**
5. **<link** rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.6/css/bootstrap.min.css"**>**
7. **</head>**
8. **<body>**
10. **<div** class="container"**>**
11. **<h2>**Collapsible Panel**</h2>**
12. **<div** class="panel-group"**>**
13. **<div** class="panel panel-default"**>**
14. **<div** class="panel-heading"**>**
15. **<h4** class="panel-title"**>**
16. **<a** data-toggle="collapse" href="#collapse1"**>**Collapsible panel**</a>**
17. **</h4>**
18. **</div>**
19. **<div** id="collapse1" class="panel-collapse collapse"**>**
20. **<div** class="panel-body"**>**Panel Body**</div>**
21. **<div** class="panel-footer"**>**Panel Footer**</div>**
22. **</div>**
23. **</div>**
24. **</div>**
25. **</div>**
26. **<script** src="https://ajax.googleapis.com/ajax/libs/jquery/1.12.0/jquery.min.js"**></script>**
27. **<script** src="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.6/js/bootstrap.min.js"**></script>**
28. **</body>**
29. **</html>**