Bootstrap 4
Conner's path to Bootstrap 4.0

1. W3 Schools ➔ Bootstrap 4.0
2. Download files from bootstrap.com ➔ CDN ➔ Content delivery network ➔ Link files ➔ Copy code
3. Head section ➔ Link your specific CSS after CDN files
Bootstrap 4 Tutorial

Bootstrap 4 is the newest version of Bootstrap, which is the most popular HTML, CSS, and JavaScript framework for developing responsive, mobile-first websites.

Bootstrap 4 is completely free to download and use!

Start learning Bootstrap 4 now ➔

Try it Yourself Examples

This Bootstrap 4 tutorial contains hundreds of Bootstrap 4 examples.

With our online editor, you can edit the code, and click on a button to view the result.
Bootstrap 4 CDN

If you don't want to download and host Bootstrap 4 yourself, you can include it from a CDN (Content Delivery Network).

MaxCDN provides CDN support for Bootstrap's CSS and JavaScript. You must also include jQuery:

```html
<!-- Latest compiled and minified CSS -->
<link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/4.1.0/css/bootstrap.min.css">

<!-- jQuery library -->
<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.3.1/jquery.min.js"></script>

<!-- Popper JS -->
<script src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.14.0/umd/popper.min.js"></script>

<!-- Latest compiled JavaScript -->
<script src="https://maxcdn.bootstrapcdn.com/bootstrap/4.1.0/js/bootstrap.min.js"></script>
```
Bootstrap

Build responsive, mobile-first projects on the web with the world's most popular front-end component library.

Bootstrap is an open source toolkit for developing with HTML, CSS, and JS. Quickly prototype your ideas or build your entire app with our Sass variables and mixins, responsive grid system, extensive prebuilt components, and powerful plugins built on jQuery.

Currently v4.1.0

All the tools your team needs in one place. Slack: Where work happens, ads via Carbon
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="utf-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <title>Bootstrap 4.0 Basics</title>
  <meta name="description" content="">
  <meta name="viewport" content="width=device-width, initial-scale=1">
  <!-- Links added to use Bootstrap 4.0 -->
  <link rel="stylesheet" href="css/bootstrap.min.css">
  <script src="js/bootstrap.bundle.min.js"></script>
  <script src="https://code.jquery.com/jquery-3.2.1.slim.min.js" integrity=""></script>
</head>

<body style="background-color: beige">
  <div class="container">
    <!-- max-width changes with breakpoints - viewport -->
    <!-- Content here -->
    <div class="row" style="background-color: aqua">
      <div class="col-sm" style="background-color: pink">
        One of three columns
      </div>
      <div class="col-sm" style="background-color: white">
        One of three columns
      </div>
      <div class="col-sm" style="background-color: pink">
        One of three columns
      </div>
    </div>
  </div>
</body>
</html>
Bootstrap 4 Grid System

Bootstrap’s grid system is built with flexbox and allows up to 12 columns across the page.

If you do not want to use all 12 columns individually, you can group the columns together to create wider columns:

<table>
<thead>
<tr>
<th>span 1</th>
<th>span 1</th>
<th>span 1</th>
<th>span 1</th>
<th>span 1</th>
<th>span 1</th>
<th>span 1</th>
<th>span 1</th>
<th>span 1</th>
<th>span 1</th>
<th>span 1</th>
<th>span 1</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>span 4</td>
<td></td>
<td>span 4</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>span 4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
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<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>span 8</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>span 6</td>
<td></td>
<td></td>
<td></td>
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<td></td>
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<td></td>
<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>span 6</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>span 12</td>
</tr>
</tbody>
</table>

The grid system is responsive, and the columns will re-arrange automatically depending on the screen size.

Make sure that the sum adds up to 12 or fewer (it is not required that you use all 12 available columns).
Bootstrap 4.0

```
<div class="container container-fluid">
  <div class="row">
    <div class="col-sm-6">
    </div>
  </div>
</div>
```
Grid Classes

The Bootstrap 4 grid system has five classes:

- `.col-` (extra small devices - screen width less than 576px)
- `.col-sm-` (small devices - screen width equal to or greater than 576px)
- `.col-md-` (medium devices - screen width equal to or greater than 768px)
- `.col-lg-` (large devices - screen width equal to or greater than 992px)
- `.col-xl-` (xlarge devices - screen width equal to or greater than 1200px)

The classes above can be combined to create more dynamic and flexible layouts.

**Tip:** Each class scales up, so if you wish to set the same widths for `sm` and `md`, you only need to specify `sm`. 
Control the column width, and how they should appear on different devices -

First example: create a row `<div class="row">`. Then, add the desired number of columns (tags with appropriate `.col-*-*` classes). The first star (*) represents the responsiveness: sm, md, lg or xl, while the second star represents a number, which should add up to 12 for each row.

Second example: instead of adding a number to each `.col`, let Bootstrap handle the layout, to create equal width columns: two `"col"` elements = 50% width to each col, three cols = 33.33% width to each col. four cols = 25% width, etc. You can also use `.col-sm-md-lg-xl` to make the columns responsive.

Below we have collected some examples of basic Bootstrap 4 grid layouts.

Or let Bootstrap automatically handle the layout -

```html
<div class="row">
  <div class="col"></div>
  <div class="col"></div>
  <div class="col"></div>
  <div class="col"></div>
</div>
```
<body style="background-color: beige">
  <div class="container">
    <!-- max-width changes with breakpoints - viewport -->
    <!-- Content here -->
    <div class="row" style="background-color: aqua">
      <div class="col-sm" style="background-color: pink">
        One of three columns
      </div>
      <div class="col-sm" style="background-color: white">
        One of three columns
      </div>
      <div class="col-sm" style="background-color: pink">
        One of three columns
      </div>
    </div>
  </div>
</body>
<table>
<thead>
<tr>
<th>One of three columns</th>
<th>One of three columns</th>
<th>One of three columns</th>
</tr>
</thead>
<tbody>
<tr>
<td>container-fluid</td>
<td></td>
<td></td>
</tr>
<tr>
<td>One of three columns</td>
<td>One of three columns</td>
<td>One of three columns</td>
</tr>
<tr>
<td>container</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>