

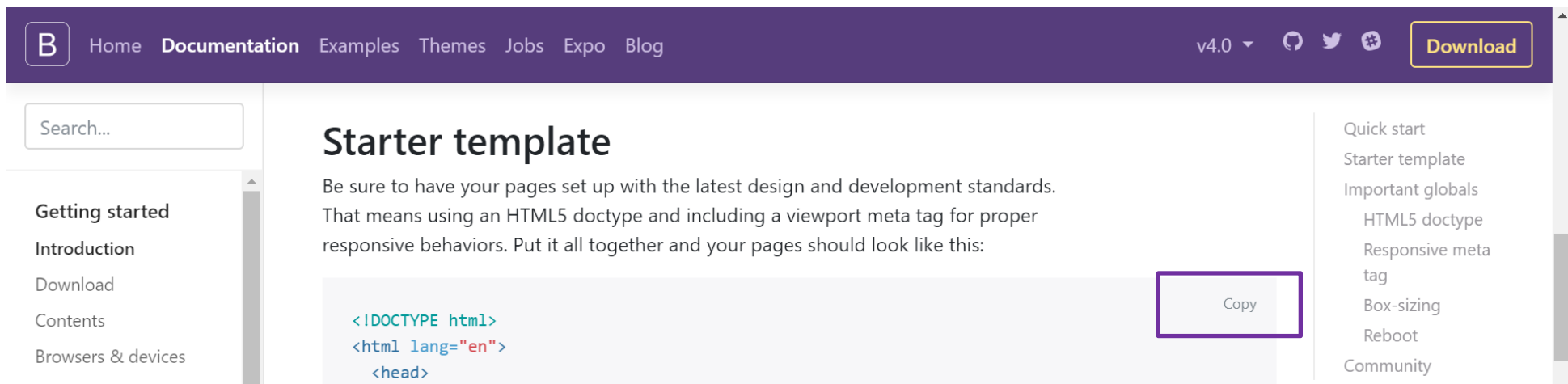


## Web development & design foundations

## Chapter 8 – Setting up Bootstrap Key Concepts

# + Get Bootstrap-framework

Go to <https://getbootstrap.com/docs/4.0/getting-started/introduction/>, copy Starter template and save it as a new index.html file.



The screenshot shows the Bootstrap 4.0 documentation website. The top navigation bar is dark purple with a 'B' logo, links for Home, Documentation, Examples, Themes, Jobs, Expo, and Blog, the version 'v4.0', social media icons, and a 'Download' button. A search bar is on the left. The main content area is titled 'Starter template' and includes instructions on setting up design and development standards. A code block shows the basic HTML structure, and a 'Copy' button is highlighted with a purple box. A right sidebar lists various guides like 'Quick start', 'Starter template', and 'Important globals'.

Home Documentation Examples Themes Jobs Expo Blog v4.0 Download

Search...

## Starter template

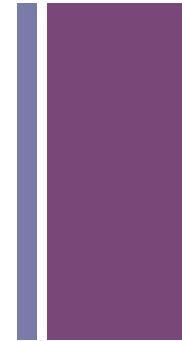
Be sure to have your pages set up with the latest design and development standards. That means using an HTML5 doctype and including a viewport meta tag for proper responsive behaviors. Put it all together and your pages should look like this:

```
<!DOCTYPE html>
<html lang="en">
  <head>
```

Copy

Quick start  
Starter template  
Important globals  
HTML5 doctype  
Responsive meta tag  
Box-sizing  
Reboot  
Community

## + Modify index.html



Bootstrap's basic structure is just like normal HTML5-page

```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
<head>
```

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

```
</head>
```

```
</html>
```

We just need to add few links to CSS and Javascript files and we are ready to go. See the next page ->

# + Modify index.html

Copy

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <!-- Required meta tags -->
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">

    <!-- Bootstrap CSS -->
    <link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0-beta/css/bootstrap.min.css">
  </head>
  <body>
    <h1>Hello, world!</h1>

    <!-- Optional JavaScript -->
    <!-- jQuery first, then Popper.js, then Bootstrap JS -->
    <script src="https://code.jquery.com/jquery-3.2.1.slim.min.js" integrity="sha384-KJ3o2DK1" ></script>
    <script src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.11.0/umd/popper.min.js" ></script>
    <script src="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0-beta/js/bootstrap.min.js" ></script>
  </body>
</html>
```

## + Modify index.html

- Make sure that your links to CSS and Javascripts files has correct paths. In this case, files are located in subfolders called css and js.
- After that, open your index.html file in your browser and you should see slightly modified Hello, world! text.

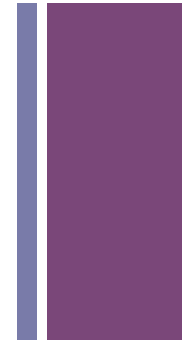
Without Bootstrap 😞

**Hello, world!**

With Bootstrap 😊

**Hello, world!**

## + Modify index.html



- Now that we know that the framework is working, let's try out the Grid-component.

- Let's create three equal sized columns

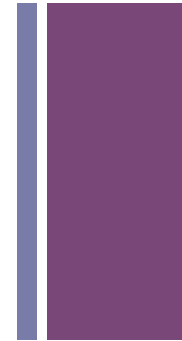
```
<div class="row">  
<div class="col-sm-4">My first column</div>  
<div class="col-sm-4">My second column</div>  
<div class="col-sm-4">My third column</div>  
</div>
```

- Remember to add this row inside the **.container-class**.

- *Note: Using the .sm-class means that you have three equal-width columns starting at tablets and scaling to large desktops. On mobile phones, the columns will automatically stack.*



# Index.html structure with one row



```
<!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">
  <title>My first Bootstrap Page</title>

  <!-- Bootstrap -->
  <link href="css/bootstrap.min.css" rel="stylesheet">
  <!--[if lt IE 9]>
<script src="https://oss.maxcdn.com/html5shiv/3.7.2/html5shiv.min.js"></script>
<script src="https://oss.maxcdn.com/respond/1.4.2/respond.min.js"></script>
<![endif]-->
</head>
<body>
<div class="container">
  <h1>Hello, world!</h1>
<div class="row">
  <div class="col-sm-4">My first column</div>
  <div class="col-sm-4">My second column</div>
  <div class="col-sm-4">My third column</div>
</div>
</div>
  <!-- jQuery (necessary for Bootstrap's JavaScript plugins) -->
  <script src="https://ajax.googleapis.com/ajax/libs/jquery/1.11.2/
jquery.min.js"></script>
  <!-- Include all compiled plugins (below), or include individual files as needed -->
  <script src="js/bootstrap.min.js"></script>
</body>
</html>
```

Hello, world!

My first column

My second column

My third column

- Now we have nice row with three equal sized columns.
- Add another row to your page, which creates two equal sized columns. (*Tip! Use number 6 in your .col-class*)

# + Last words...

- Your site might not look amazing after adding few rows to it... BUT try to see the big picture behind it.
- You can start looking the webpages you use, with a new mindset and try to figure out how to sites are structured.  
(*Warning: can be highly addictive.*)

This is how I see webpages nowadays...

