

1. Html

HTML or HyperText Markup Language is the standard markup language used to create web pages. HTML is written in the form of HTML elements consisting of tags enclosed in angle brackets (like <html>).

Basic format html tag :

```
<!DOCTYPE html>
<html>
  <head>
    <meta charset="UTF-8">
    <title>Title Page</title>
  </head>
  <body>
  </body>
</html>
```

This is several tag html are often used :

- divide section of page :

```
<div>
  <!--Put Html Content here-->
</div>
```

- header of section :

```
<h1>HTML CSS JS</h1>
<h2>HTML CSS JS</h2>
<h3>HTML CSS JS</h3>
<h4>HTML CSS JS</h4>
```

- paragraph block :

```
<p>
  Learn html css and js with bootstrap. Section two best practice for
bootstrap.
</p>
```

- load image :

```

```

- link to other webpage :

```
<a href="localhost/training/profile.htm">Profile</a>
```

- load css file :

```
<link href="css/bootstrap.min.css" rel="stylesheet">
```

- load javascript file :

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

This is attributes html that often used by css and js :

- "id" attribute, that must have unique name and cannot duplicate in same page :

```
<div id = "news"> </div>
```

- "class" attributes, that allow multiple declaration in same page :

```
<p class = "contents"></p>  
<p class = "contents"></p>
```

2. CSS

Cascading Style Sheets (CSS) is a style sheet language used for describing the look and formatting of a document written in a markup language. CSS is designed primarily to enable the separation of document content from document presentation, including elements such as the layout, colors, and fonts.

For implementation css code add to html in sparate document, that only include at first, basic format css tag :

```
<tag_html> {  
  <attribut-for-html>: <value>;  
}
```

The example :

- inline style :

```
<body style="padding-top:60px;"></body>
```

- one page declaration :

```
<html>  
  <head>  
    <style>  
      body {  
        padding-top: 60px;  
      }  
    </style>  
  </head>  
  <body>  
  </body>  
</html>
```

For access class or id from html tag :

- in file.htm :

```
<div id = "news">  
  <p class = "contents"></p>  
  <p class = "contents"></p>  
</div>
```

- in file.css

```
#news {  
    font-size: 24px;  
}  
.contents {  
    padding: 10px 0;  
}
```

3. Javascript

JavaScript (JS) is a dynamic computer programming language. It is most commonly used as part of web browsers, whose implementations allow client-side scripts to interact with the user, control the browser.

And for make easy develop application developer usually using library javascript like jquery.

For access class or id from html tag and we will use jquery style :

- in file.htm :

```
<div id = "news">
  <p class = "contents"></p>
  <p class = "contents"></p>
</div>
```

- in file.js

```
$("#news").on("click", function(){ your action here});
$(".contents").on("hover", function(){ your action here});
```

4. Bootstrap

Bootstrap is the most popular HTML, CSS, and JS framework for developing responsive, first projects on the web and it is a free collection of tools for creating websites and web applications. It contains HTML and CSS-based design templates for typography, forms, buttons, navigation and other interface components, as well as optional JavaScript extensions.

Best practice :

Trainer will give bootstrap package that has include with jquery too, the structure folder is :

```
--bootstrap
----js
-----bootstrap.js
-----bootstrap.min.js
-----jquery-1-11-1.js
----css
-----bootstrap.css
-----bootstrap.min.css
-----bootstrap-theme.css
-----bootstrap-theme.min.css
----font
-----glyphicons-halflings-regular.eto
-----glyphicons-halflings-regular.svg
-----glyphicons-halflings-regular.ttf
-----glyphicons-halflings-regular.woff
```

or can download from :

for bootstrap :

<http://getbootstrap.com/getting-started/>

for jquery :

<http://blog.jquery.com/2014/05/01/jquery-1-11-1-and-2-1-1-released/>

4.1. Implementation

Create new folder “training”, and copy folder “js, css, font” from folder “bootstrap” into “training”, and then create new file “bootstrap.htm”, and open that file and add this :

```
<!DOCTYPE html>
<html>
  <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>Training Bootstrap</title>

    <!-- Bootstrap -->
```

```

<link href="css/bootstrap.min.css" rel="stylesheet">

<!-- HTML5 Shim and Respond.js IE8 support of HTML5 elements and media
queries -->
<!-- WARNING: Respond.js doesn't work if you view the page via file://
-->
<!--[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 style="padding-top:60px;">

  <!-- Put Navigation bar here -->

  <!--Put Content website here -->

  <!-- jQuery (necessary for Bootstrap's JavaScript plugins) -->
  <script src="js/jquery-1-11-1.js"></script>
  <!-- Include all compiled plugins (below), or include individual files
as needed -->
  <script src="js/bootstrap.min.js"></script>
</body>
</html>

```

Save that file then double click , you will get blank page, don't panic if that so it mean your code working and you just need go to next step.

4.2. Navigation Bar :

Add below code to bootstrap.htm for get navigation bar.

```

<!--bagian navigation-->
<div class="navbar navbar-fixed-top navbar-default" role="navigation">
  <div class="container">
    <div class="navbar-header">
      <button type="button" class="navbar-toggle" data-toggle="collapse"
data-target=".navbar-collapse">
        <span class="sr-only">Toggle navigation</span>
        <span class="icon-bar"/>
        <span class="icon-bar"/>
        <span class="icon-bar"/>
      </button>

```

```

        <a href="#" class = "navbar-brand">Training Bootstrap</a>
    </div>
    <div class="collapse navbar-collapse">
        <ul class="nav navbar-nav navbar-right">
            <li><a href="#">Home</a></li>
            <li><a href="#">Profile</a></li>
            <li><a href="#">Contact</a></li>
        </ul>
    </div>
</div>
</div>

```

4.3. Content Part

Add below code to bootstrap.htm for get content part

```

<!-- Bagian Content -->
<div class="container clearfix">
    <div class="row row-offcanvas row-offcanvas-left ">
        <!--Bagian Kiri-->
        <div class="col-xs-12 col-sm-3 side pull-left sidebar-offcanvas"
id="sidebar" role="navigation">
            <div class="list-group">
                <h1> HTML CSS JS with bootstrap </h1>
            </div>
        </div>

        <!--Bagian Kanan-->
        <div id="main-content" class="col-xs-12 col-sm-9 main pull-right">
            <div class="panel-body">
                <table class="table table-bordered table-hover table-striped
display" >
                    <thead>
                        <tr>
                            <th>Nama</th>
                            <th>Tempat Tanggal Lahir</th>
                            <th>Jenis Kelamin</th>
                            <th>Alamat Domisili</th>
                        </tr>
                    </thead>
                    <tbody>
                        <tr>
                            <td>Riku</td>
                            <td>Jakarta, 17 Agustus 1998</td>
                            <td>Pria</td>

```



```

        <td>Jl. Mampang Prapatan no.132</td>
    </tr>
    <tr>
        <td>Rika</td>
        <td>Jakarta, 22 November 1999</td>
        <td>Wanita</td>
        <td>Jl. Mampang Prapatan no.12</td>
    </tr>
</tbody>
</table>
</div>
</div>
</div>
</div>

```

If all code has complete the view must look like this :

Training Bootstrap		Home Profile Contact													
HTML CSS JS with bootstrap		<table> <tr> <th>Nama</th><th>Tempat Tanggal Lahir</th><th>Jenis Kelamin</th><th>Alamat Domisili</th></tr> <tr> <td>Riku</td><td>Jakarta, 17 Agustus 1998</td><td>Pria</td><td>Jl. Mampang Prapatan no.132</td></tr> <tr> <td>Rika</td><td>Jakarta, 22 November 1999</td><td>Wanita</td><td>Jl. Mampang Prapatan no.12</td></tr> </table>		Nama	Tempat Tanggal Lahir	Jenis Kelamin	Alamat Domisili	Riku	Jakarta, 17 Agustus 1998	Pria	Jl. Mampang Prapatan no.132	Rika	Jakarta, 22 November 1999	Wanita	Jl. Mampang Prapatan no.12
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for complete resources : <http://getbootstrap.com/css/>