

Tutorial 2 - CSS

Cascading Style Sheets (CSS) is a style sheet language used for describing the presentation of a document written in a markup language like HTML. CSS is a cornerstone technology of the World Wide Web, alongside HTML and JavaScript. In other words, CSS is meant for decorate your Website.

BootStrap

A popular css library to 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.

Click here to find out more about bootstrap: <https://getbootstrap.com>

Adding Bootstrap by CDN

What is CDN?

A content delivery network, commonly referred to as CDN, is a network of edge servers strategically placed across the globe with the purpose of delivering digital content to users as fast as possible. When a user makes a request it is routed to the nearest CDN edge server, which significantly reduces the latency. A CDN allows all users, no matter the geographical location, to have fast loading content for an unquestionably improved experience.

Read more about CDN here: <https://www.keycdn.com/what-is-a-cdn>

Bootstrap

Paste the following code inside the **head** tag

```
<head>
  ...
  <!-- COPY FROM HERE-->
  <link rel="stylesheet"
    href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.css" integrity="sha384-gg0yR0iXCbMQv3Xipma34MD+dH/1fQ784/j6cY/iJTQUOhcWr7x9JvoRxT2MZw1T"
    crossorigin="anonymous">
  <!-- COPY TILL HERE-->
  ...
</head>
```

In order to use bootstrap, we will need to link our html file with bootstrap's css file. Try open this link (<https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.css>) in your browser.

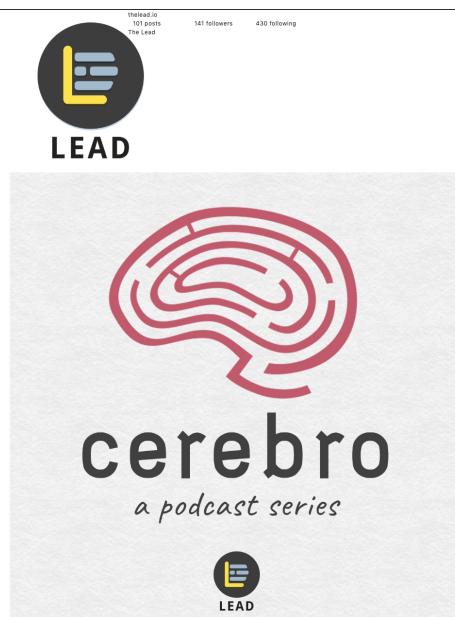
Paste the following code inside **body** tag

```
<body>
  ...
  <!-- COPY FROM HERE-->
  <script src="https://code.jquery.com/jquery-3.3.1.slim.min.js"
integrity="sha384-q8i/X+965Dz00rT7abK41JStQIAqVgRVzbzo5smXKp4YfRvH+8abtTE1Pi6jizo"
crossorigin="anonymous"></script>
  <script
src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.14.7/umd/popper.min.js" integrity="sha384-U02eT0CpHqdSJQ6hJty5KVphtPhzWj9W01clHTMGa3JDZwrnQq4sF86dIHNDz0W1"
crossorigin="anonymous"></script>
  <script
src="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/js/bootstrap.min.js" integrity="sha384-JjSmVgyd0p3pXB1rRibZUAYoIIy60rQ6VrjIEaFf/nJGzIxFDsf4x0xIM+B07jRM"
crossorigin="anonymous"></script>
  <!-- COPY TILL HERE-->
</body>
```

Some of the method from bootstrap require **JQuery** therefore, we will need to link jquery library at the end of html file.

Javascript file size is larger than CSS file therefore the loading time of Javascript file will takes slightly longer than CSS file.

Expected outcome should be something like this.



Setup Navigation Bar

Create a folder and named it `css` inside the `my-instagram` folder. Then create a file and save it as `index.css` inside `css` folder

Paste the following codes inside the `index.css`

```
body{  
    background-color: #fafafa;  
}  
.header-wrapper{  
    background-color: #fff;  
    border-bottom: 1px solid rgba(0,0,0,.0975);  
    position: fixed;  
    top: 0;  
    width: 100%;  
    z-index: 1;  
    transition: height .2s ease-in-out;  
    height: 77px;  
}  
.header-content {  
    display: flex;  
    flex-direction: row;  
    height: 77px;  
    justify-content: center;  
    max-width: 1010px;  
    padding: 26px 20px;  
    transition: height .2s ease-in-out;  
    width: 100%;  
}  
.header-logo{  
    flex: 1 9999 0%;  
    min-width: 40px;  
}  
.header-split{  
    background-color: #262626;  
    height: 28px;  
    margin: 0 16px;  
    width: 1px;  
    display:inline-block;  
}
```

After adding the code into `index.css`, save it. Before refreshing your browser, we will need to link `index.css` to our html file.

Paste the following code in the `head` tag.

```
<head>
```

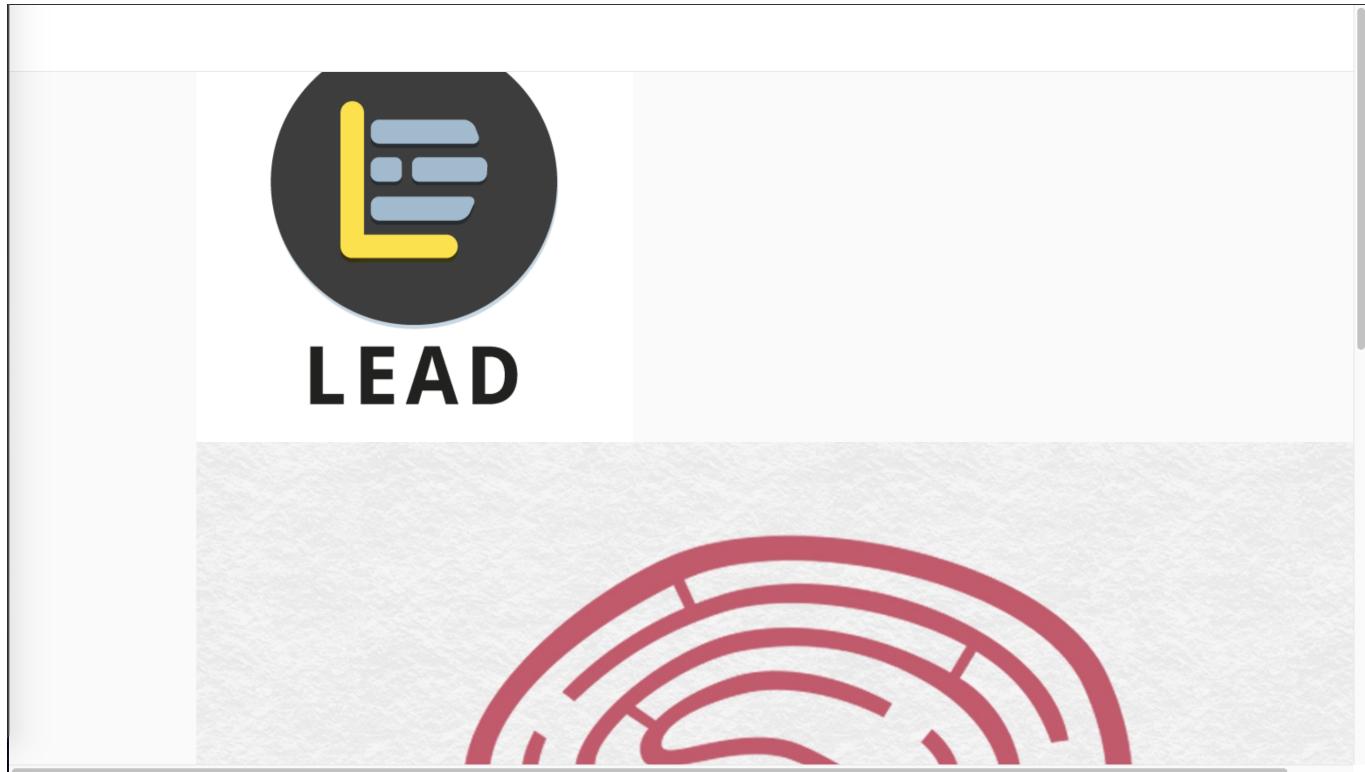
```
...
```

```
<link rel="stylesheet" href=".css/index.css"/>  
</head>
```

Explanation

.css tells our `index.html` file to search for `css` folder in the same directory level.

Expected outcome should be as below.



FontAwesome

Get vector icons and social logos on your website with Font Awesome, the web's most popular icon set and toolkit.

Font Awesome is designed to be used with inline elements and we recommend sticking with a consistent HTML element to reference them by in your project. We like the *tag for brevity and for the fact that most folks are using for emphasized/italicized semantic text these days. If that's not your cup of tea, using a is more semantically correct.*

Click here to find out more about fontawesome: <https://fontawesome.com>

Adding FontAwesome by CDN

Let's download the css file from here

<https://drive.google.com/open?id=1FNBoVtdE85jAVyUS5Sq5hMIJBtNN-83I>

Download and place the css file inside the `css` folder that we had created

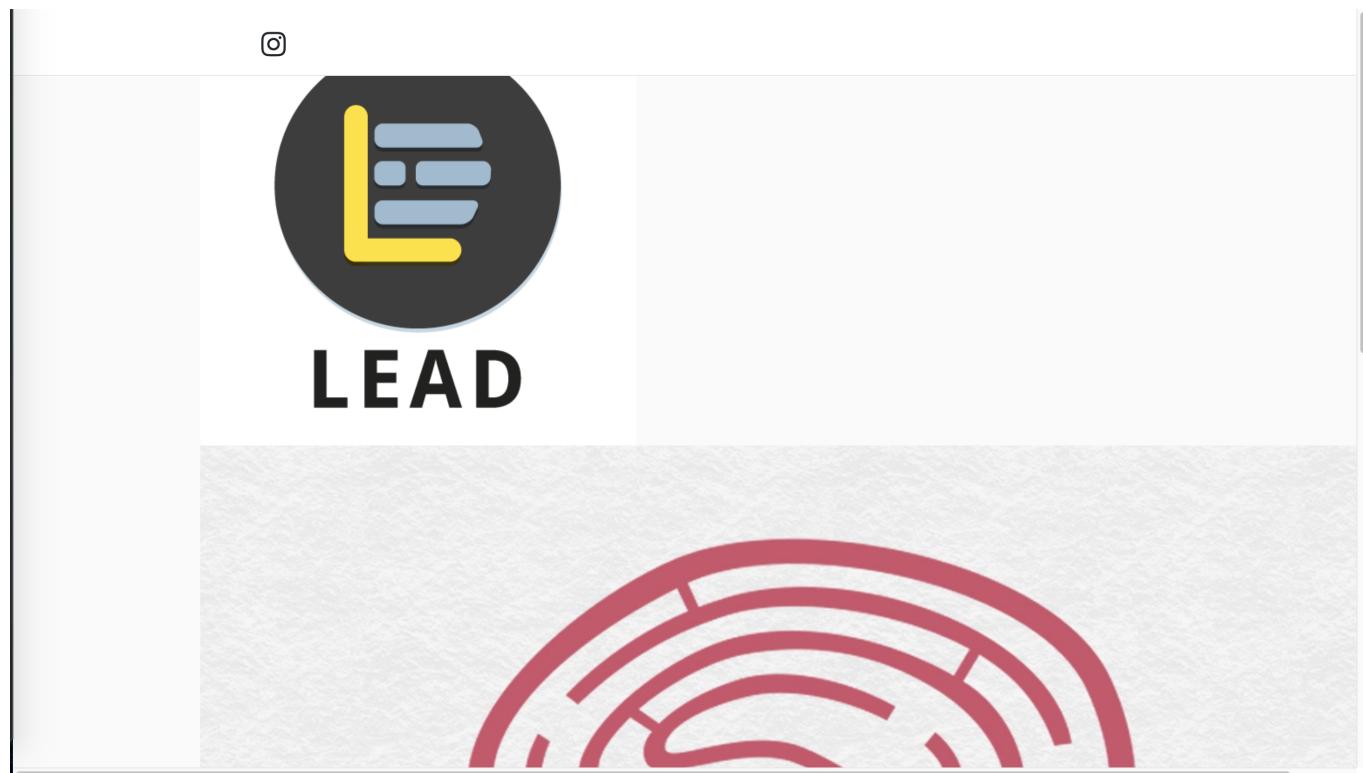
Create a new folder named it as **webfonts** in **my-instagram** folder, then download all the contents and place it inside **webfonts** folder

<https://drive.google.com/open?id=1alMyQL7I5-cBO2VGMvWOYEtXPlg67lsk>

After downloading all the libraries, let's link the css file by using the following code.

```
<head>
  ...
  <link rel="stylesheet" href=".css/all.css"/>
</head>
```

Instagram icon will appear in the navigation bar as below.



Let's fix the content with CSS

It seems that the profile wording is behind our navigation. Let's place the wording beside our profile picture and resize the profile picture.

```
.content{
  margin-top:100px;
  padding-top:1%;
  padding-left:10%;
  padding-right:10%;

}

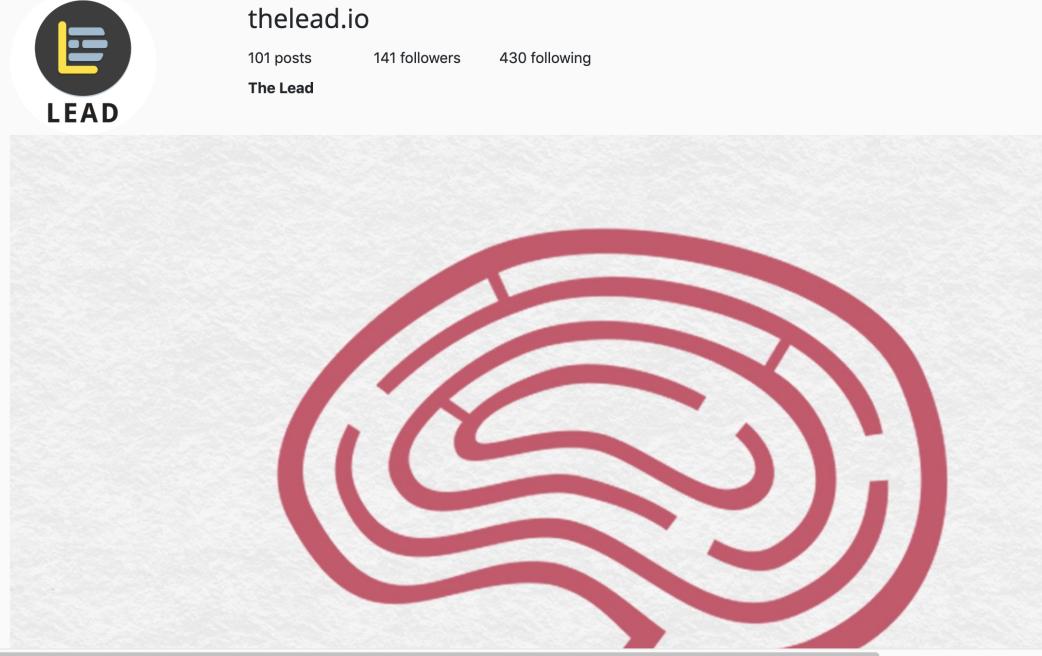
.profile-pic{
  border-radius: 50%;
  width:65%;
```

```

}
.profile-id{
  font-size:30px;
  padding-top:2%;
  font-family: "Open Sans";
}
.profile{
  font-size:17px;
  text-align: left;
  padding-top:10px;
  padding-bottom: 10px;
  padding-left: 0px !important;
  padding-right: 0px !important;
}
.profile-name{
  font-size: 17px;
  font-weight: bold;
}

```

Expected outcome should be something like this.



Let's fix on the post with CSS

Let's set the the post to 250px height and a pop-up when we click on it.

Paste the following code into `index.css` file.

```

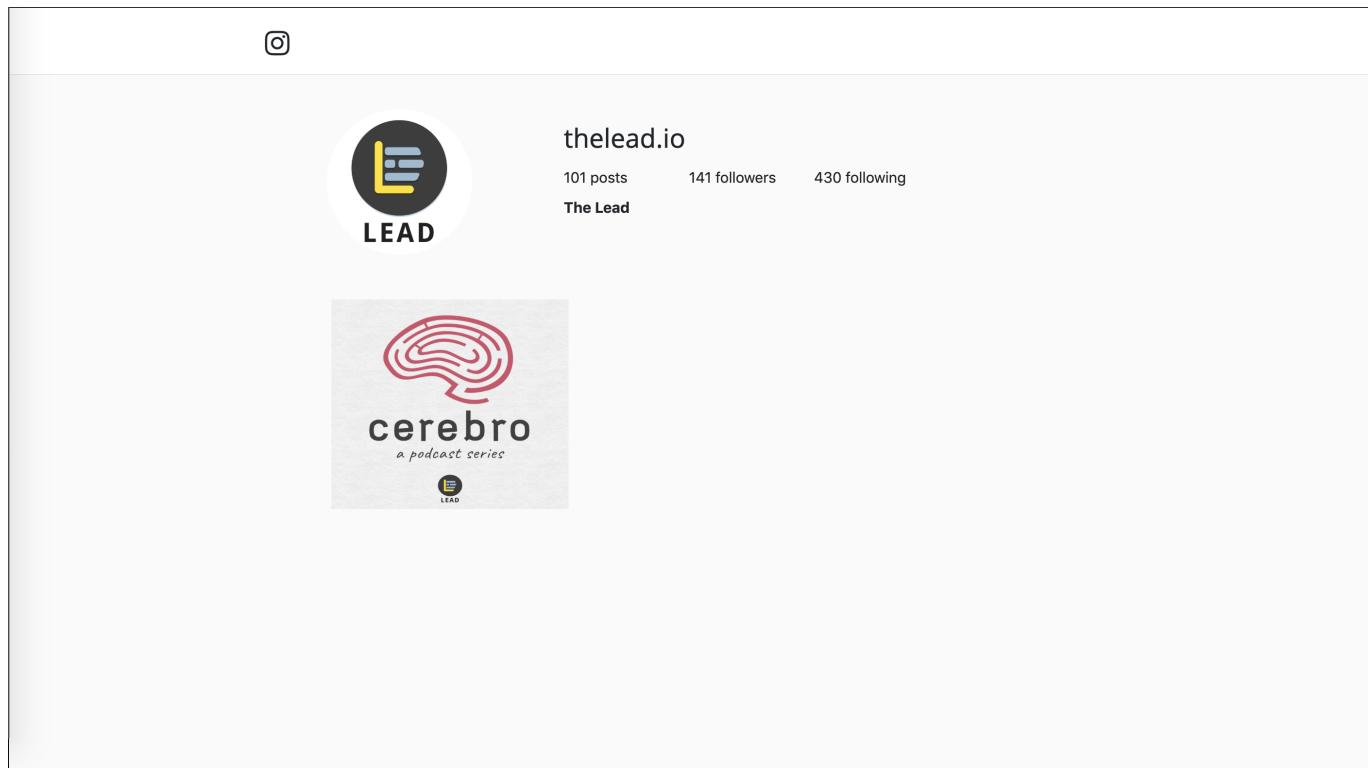
.posts{
  padding-top:5%;
  padding-bottom:10%;
}

```

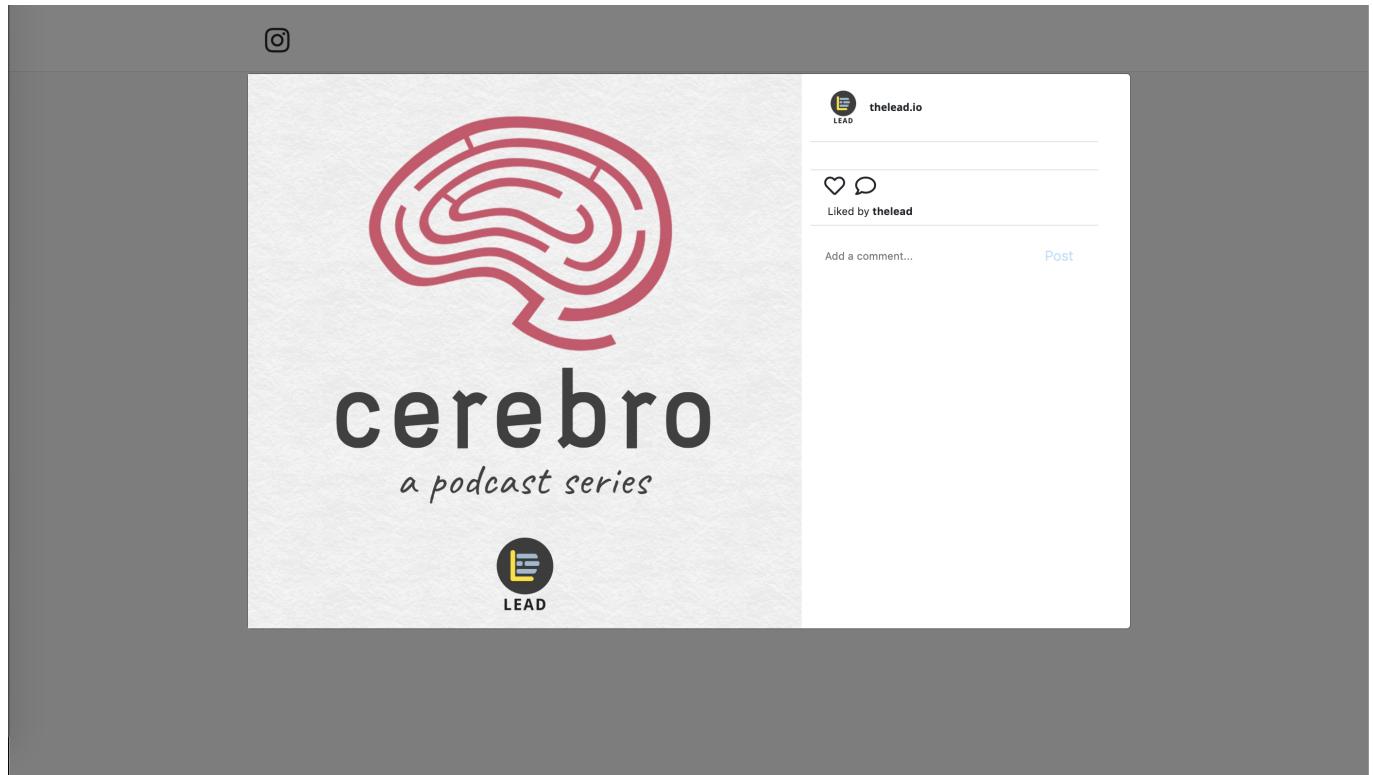
```
.post{  
    height: 250px;  
}  
  
.posts .post-img{  
    width: 110%;  
    height: 100%;  
    padding-left: 5px;  
    padding-right: 5px;  
    padding-top: 10px;  
}  
  
.modal-img{  
    width: 110%;  
}  
  
.modal-profile-pic{  
    width: 15% !important;  
}  
.modal-profile-id{  
    font-size: 12px !important;  
    text-align: left !important;  
    position: absolute;  
    padding-left: 12%;  
    padding-top: 3%;  
    font-weight: bold;  
}  
.modal-dialog{  
    max-width: 65%;  
    margin-top: 5%;  
}  
.modal-body{  
    height: auto;  
}  
.modal-comment{  
    padding-left: 5%;  
    padding-right: 5%;  
    font-size: 12px;  
}  
.modal-comment-img{  
    width: 100% !important;  
}  
.modal-comment-id {  
    font-size: 12px;  
    font-weight: bold;  
}  
.modal-footer-like{  
    height: 10%;  
    float: left;  
    width: 100%;  
    display: block;  
    padding-top: 2%;  
    padding-bottom: 1%;  
}
```

```
.like-message{  
    margin:2%;  
    font-size: 12px;  
}  
.comment{  
    border: 0px;  
    width: 100%;  
    padding:1px;  
}  
.comment:focus{  
    outline-width: 0;  
}  
.comment-btn{  
    border: 0px;  
    color:#C5E1FA;  
    float:right;  
    display:content;  
}  
.comment-btn:hover{  
    color:#C5E1FA;  
}  
.msg{  
    padding-left:5px;  
}
```

Expected user interface outcome



Expected pop-up outcome



Now we had done styling our html file. Let's try to post comment with Javascript.