

Narration&Reference How to integrate Font Awesome into Angular Material in Angular7

Base File Name: NarrationReference_Ng7_InstallFontAwesome_ja_10_en

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How to integrate Font Awesome into Angular Material in Angular7

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The screenshot shows a web application interface with a blue header bar. The header contains four links: 'Home' with a house icon, 'Register' with a person icon, 'Login' with a right arrow icon, and 'Logout' with a right arrow icon. Below the header is a 'LOGIN' section. It features two input fields: 'Email' and 'Password'. The 'Email' field has a yellow highlight bar. The 'Password' field has a yellow highlight bar and a password strength indicator (dots). Below the input fields are two buttons: 'LOGIN with Email' (blue) and 'Forgot password' (white with a key icon). At the bottom of the login section are four social media links: 'Google' (pink), 'Twitter' (blue), 'Facebook' (red), and 'GitHub' (white with a GitHub icon).

Video Explanation (Japanese)

<https://youtu.be/DIMCjN2EL28>

Video Explanation (English)

<https://youtu.be/UmGWCHwdEgY>

How to integrate Font Awesome into Angular Material in

Angular7

Previously, I introduced the usage method of Font Awesome in Angular 5

<https://youtu.be/ndk2Hqd8P7I>.

However, because the environment of Angular has changed a lot, this time, I am going to introduce how to integrate Font Awesome into Angular Material in Angular 7.

In Angular, we often use Angular Material.

In Angular Material we can use mat-icon, but unfortunately there are not so many registered icons. So, we need to consider how to use Font Awesome while using Angular Material.

Fortunately, regarding this method, Mr. Jun Koyama reported in, "Angular Material 6 uses icons with Font Awesome

Display it " <https://blog.tagbangers.co.jp/2018/09/05/font-awesome-angular-material>

Since know-how has been released, I will introduce it based on this method.

Install Angular Material

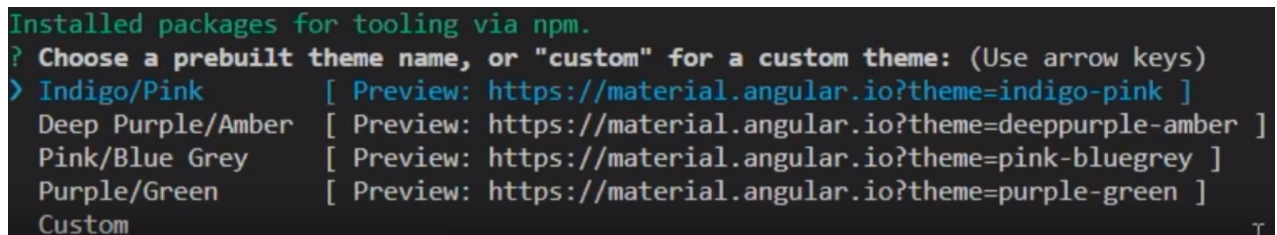
First, install Angular Material on Angular 7.

After moving to the project directory to use, enter `code` . And open the Visual Studio Code.

And in the terminal window, type

```
ng add @angular/material.
```

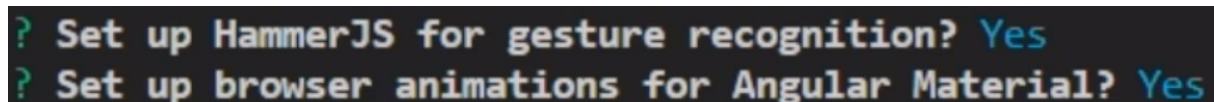
Then, since selection of the theme of the built-in is required, here, select the default indigo-pink here



```
Installed packages for tooling via npm.
? Choose a prebuilt theme name, or "custom" for a custom theme: (Use arrow keys)
> Indigo/Pink           [ Preview: https://material.angular.io?theme=indigo-pink ]
  Deep Purple/Amber    [ Preview: https://material.angular.io?theme=deeppurple-amber ]
  Pink/Blue Grey       [ Preview: https://material.angular.io?theme=pink-bluegrey ]
  Purple/Green         [ Preview: https://material.angular.io?theme=purple-green ]
  Custom
```

In the question as to whether or not to install HammerJS, select Yes.

Next, choose Yes to use animation or not.



```
? Set up HammerJS for gesture recognition? Yes
? Set up browser animations for Angular Material? Yes
```

The installation will start.

Install Font Awesome

Next, install Font Awesome by npm.

Type

```
npm i @fortawesome/fontawesome-free.
```

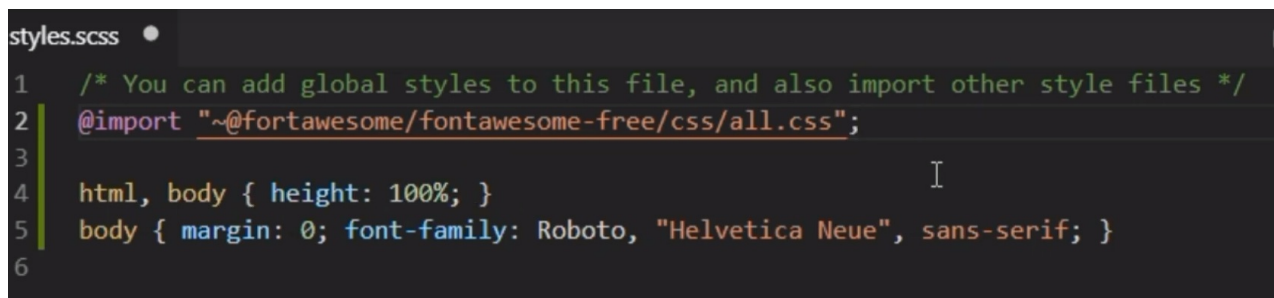
Please pay attention to spelling. The next word of `@` is `fortawesome` not `fontawesome`.

Import Font Awesome into style.scss

Next, open the `style.scss` file in the `src` directory and insert the import statement.

Type

```
@import "~@fortawesome/fontawesome-free/css/all.css";
```



```
styles.scss •
1  /* You can add global styles to this file, and also import other style files */
2  @import "~@fortawesome/fontawesome-free/css/all.css";
3
4  html, body { height: 100%; }
5  body { margin: 0; font-family: Roboto, "Helvetica Neue", sans-serif; }
6
```

Edit HTML file

Next, edit the HTML file.

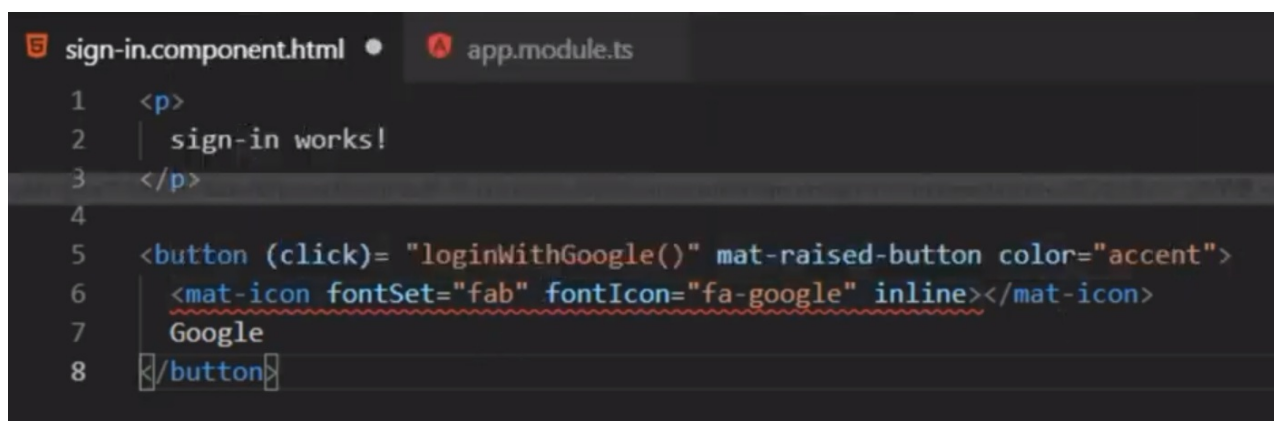
Here we are going to edit the login page.

First, set the button with `mat-button`.

And insert the icon of Font Awesome into this.

The only way to do this is to set the Font Awesome's *fontset* and *fontIcon* in the *mat-icon* settings.

We are going to set a Google icon here.



```
sign-in.component.html • app.module.ts
1  <p>
2    sign-in works!
3  </p>
4
5  <button (click)="loginWithGoogle()" mat-raised-button color="accent">
6    <mat-icon fontSet="fab" fontIcon="fa-google" inline></mat-icon>
7    Google
8  </button>
```

Modify app.module.ts file

I'd like to display it as it is, but before that we need to import the module of Angular Material.

Open the `app.module.ts` file and import the `MatIconModule` and `MatButtonModule` to be used here.

```
sign-in.component.html  app.module.ts ●
1  import { BrowserModule } from '@angular/platform-browser';
2  import { NgModule } from '@angular/core';
3
4  import { MatIconModule, MatButtonModule } from '@angular/material';
```

```
27  imports: [
28    BrowserModule,
29    AppRoutingModule,
30    BrowserModuleAnimationsModule,
31    AngularFireModule.initializeApp(environment.firebase),
32    AngularFireAuthModule,
33    MatIconModule,
34    MatButtonModule,
35    AngularFireFirestoreModule
36  ],
```

Display Google icon

Next, display the corresponding page in the browser.

The Google icon is displayed.

sign-in works!



Display Twitter icon

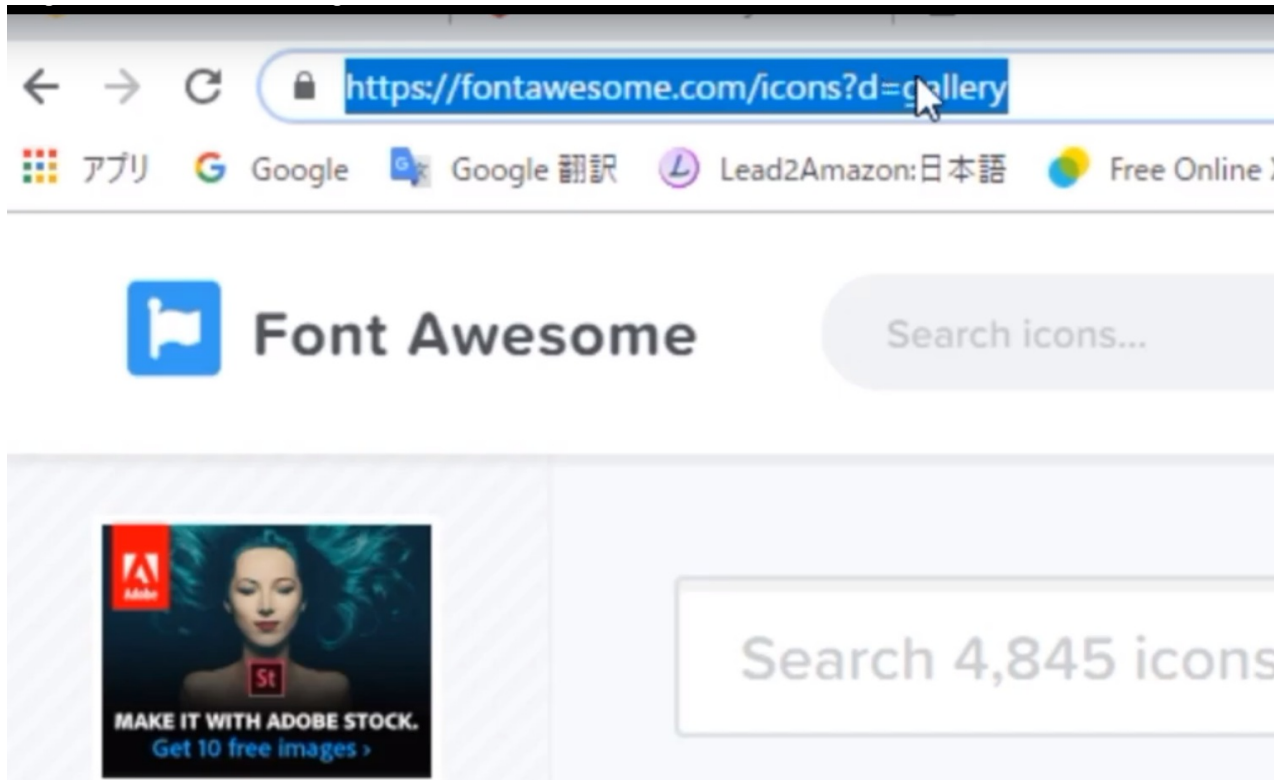
Next, we are going to display a Twitter icon.

Before that, we need to check the font set and icon name of that icon.

First, open the site of Font Awesome.

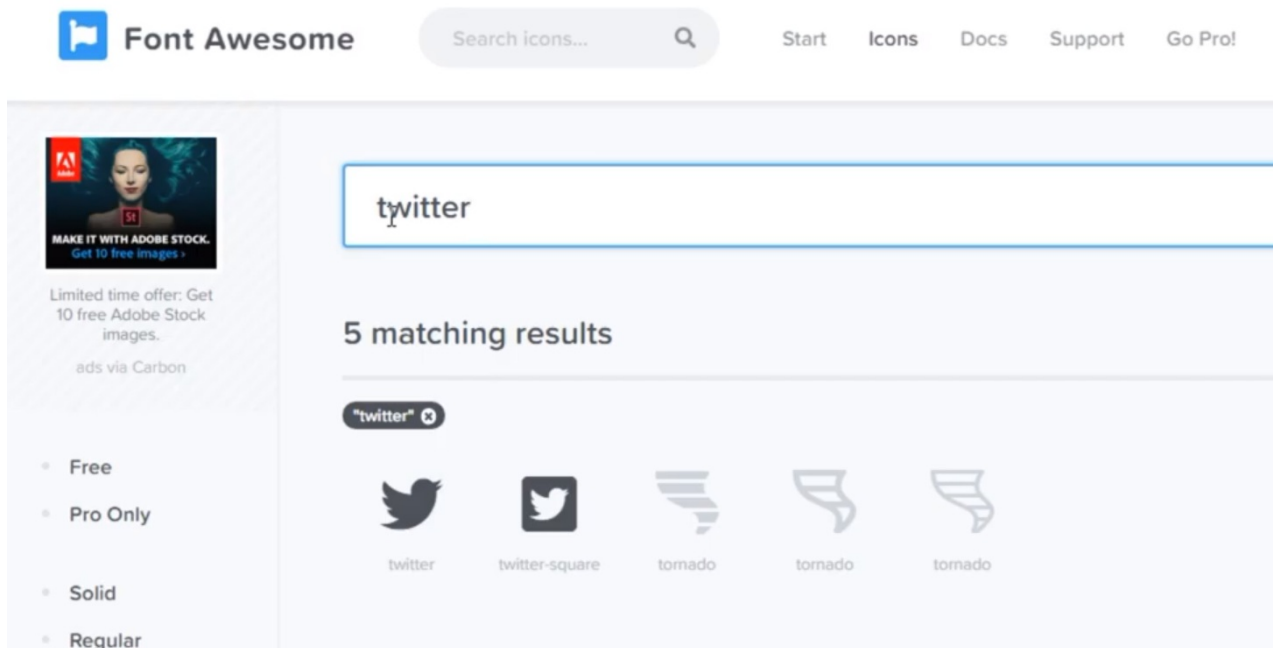
That URL is

<https://fontawesome.com/icons?d=gallery>.

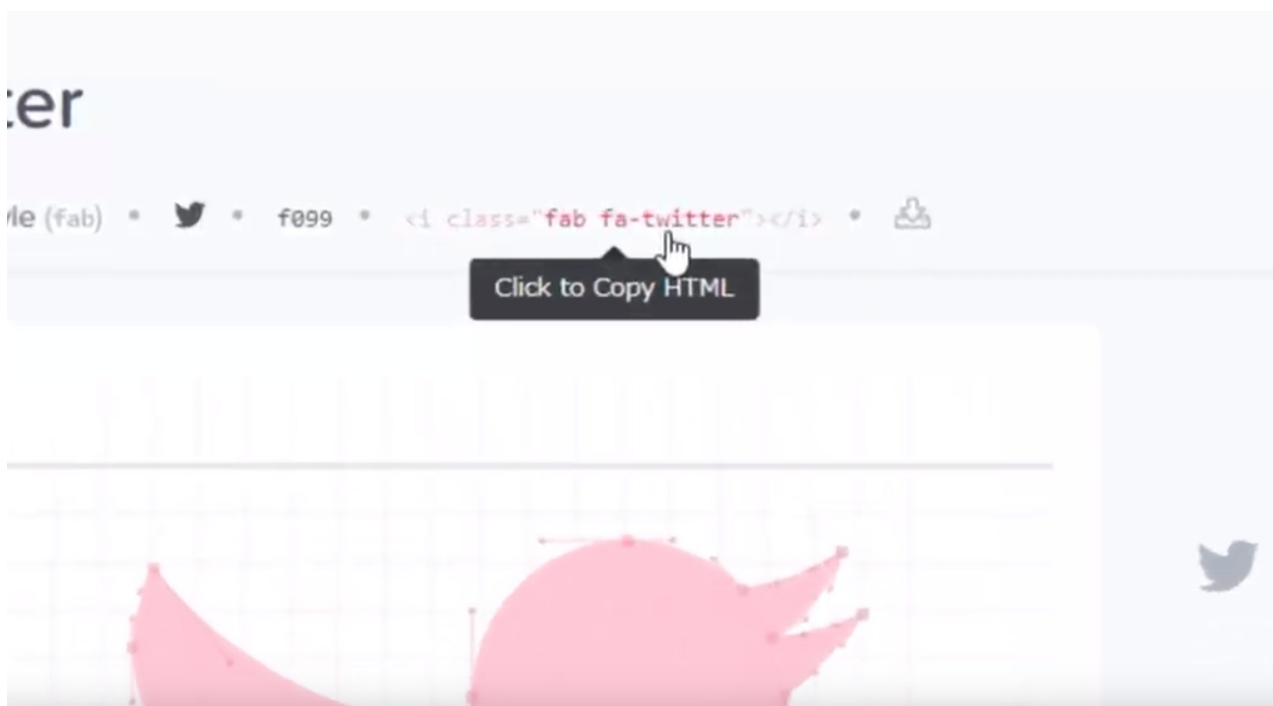


In this search box, enter Twitter.

Select the icon you want to use from this search result icon and click.



An HTML sentence will be displayed, so click on that part and copy it to the clipboard.



Back in the VS Code and edit HTML again.

Copy Google's stuff and change it for Twitter.

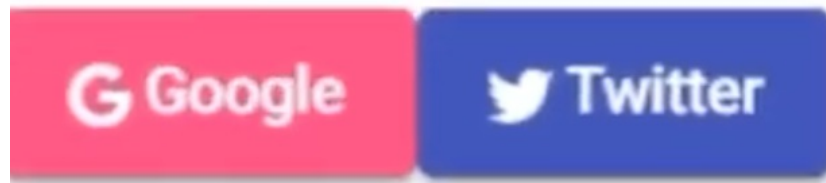
Change to the confirmed font icon name.

```
9
10 <button (click)= "loginWithTwitter()" mat-raised-button color="primary">
11   <mat-icon fontSet="fab" fontIcon="fa-twitter" inline></mat-icon>
12   Twitter
13 </button>
```

Check with the browser.

It is OK.

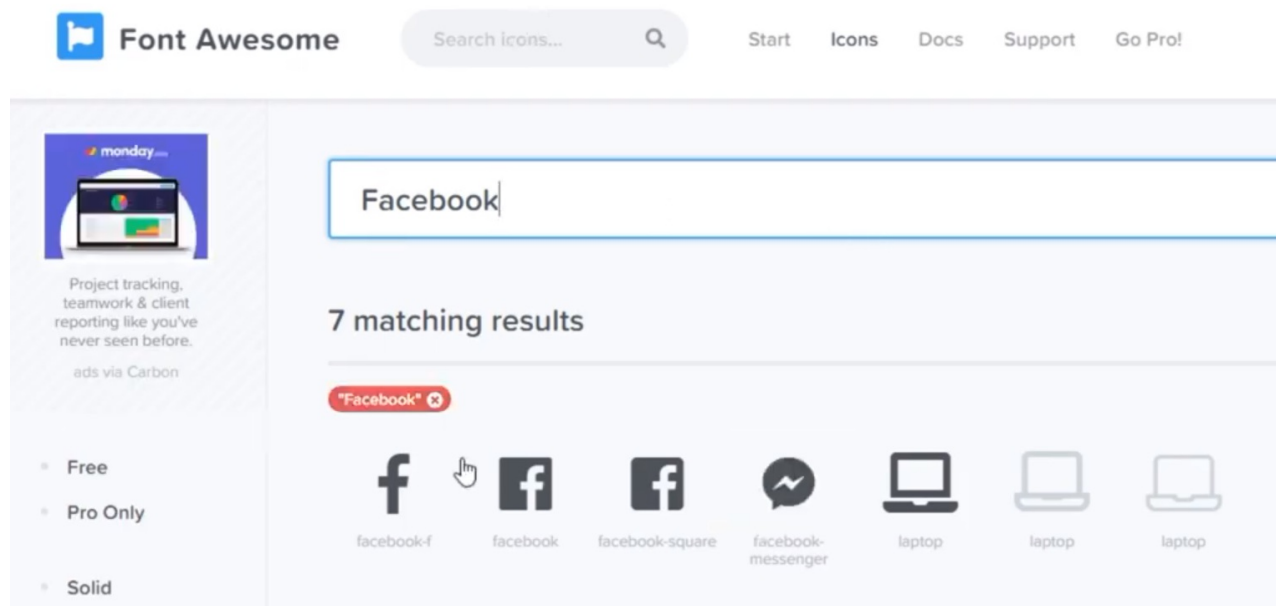
sign-in works!



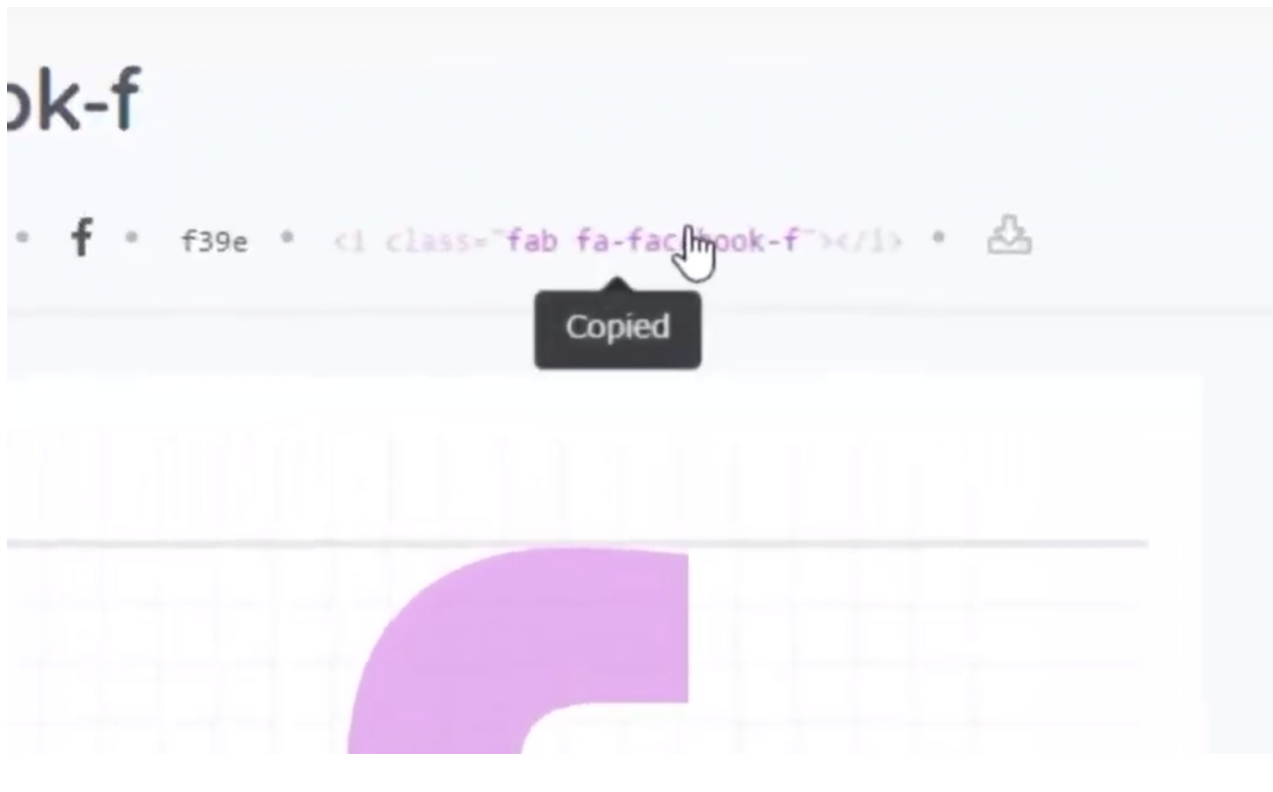
Display Facebook icon

Similarly we are going to display Facebook icon.

We are going to search Facebook icon on Font Awesome's site.



Select the desired icon and copy the icon name to the clipboard.

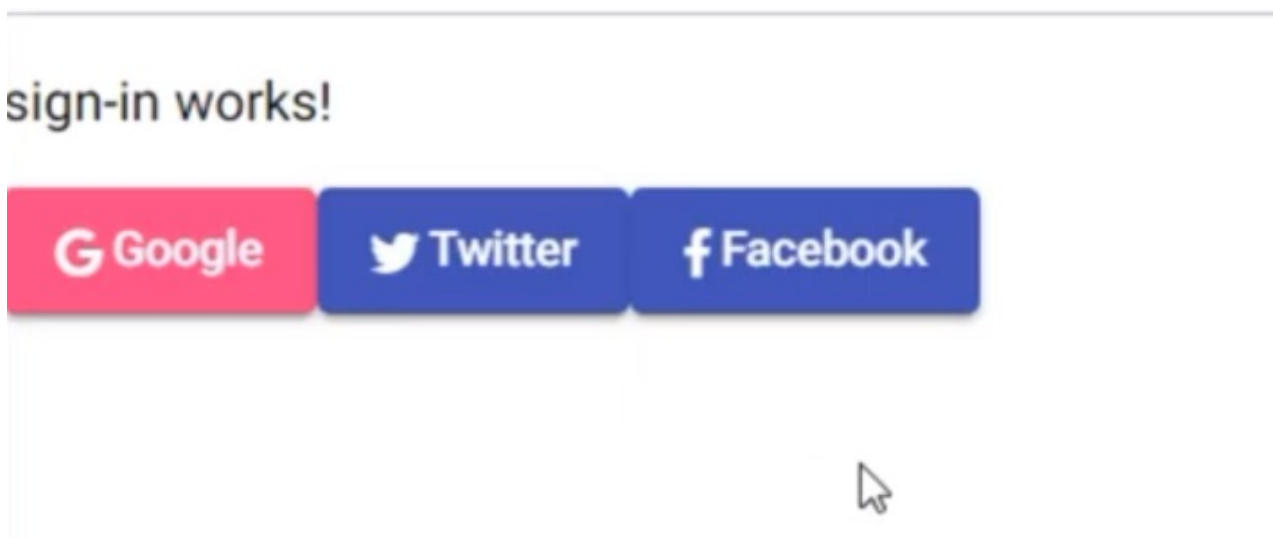


Back in the VS Code and edit HTML again.

Copy the one for Twitter and change it for Facebook.

```
15
16 <button (click)= "loginWithFacebook()" mat-raised-button color="primary">
17   <mat-icon fontSet="fab" fontIcon="fa-facebook-f" inline></mat-icon>
18   Facebook
19 </button>
```

When checking with the browser, the color becomes the same color as Twitter, so change it.




Change the color from primary to warn.


```
mat-raised-button color="warn">
```

sign-in works!

 Google

 Twitter

 Facebook

Display GitHub icon

Similarly we are going to display GitHub icon.

We are going to search Github icon on Font Awesome's site.



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ads via Carbon

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github

12 matching results

"github" 3



github



github-square



github-alt



code-merge

Select the desired icon and copy the icon name to the clipboard.

github

Brands Style (fab) • • f09b • `<i class="fab github"></i>` •

Copied



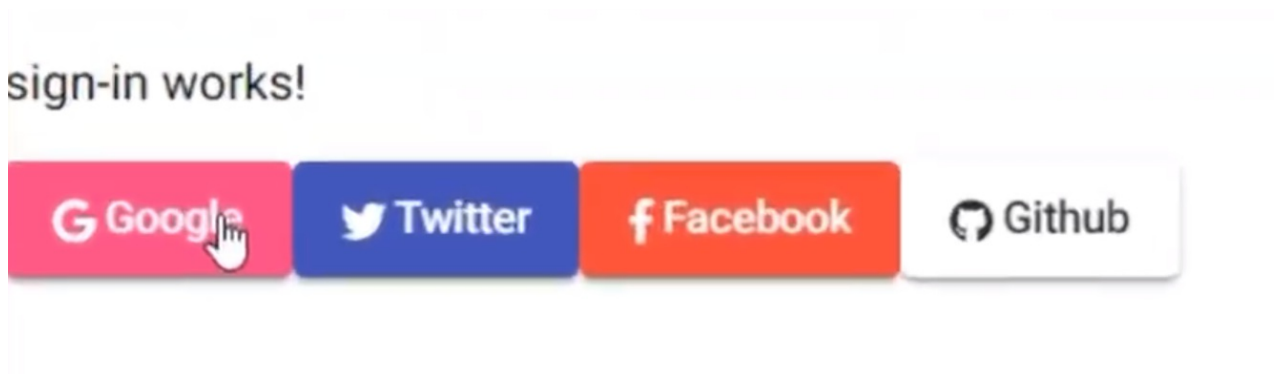
Back in the VS Code and edit HTML again.

Copy the one for Facebook and change it for Github.

```
22 <button (click)= "loginWithGithub()" mat-raised-button color="link">
23   <mat-icon fontSet="fab" fontIcon="fa-github" inline></mat-icon>
24   Github
25 </button>
```

We are going to check with the browser.

It is OK.



Source File

sign-in.html

```
<p>
  sign-in works!
</p>

<button (click)= "loginWithGoogle()" mat-raised-button color="accent">
  <mat-icon fontSet="fab" fontIcon="fa-google" inline></mat-icon>
  Google
</button>

<button (click)= "loginWithTwitter()" mat-raised-button color="primary">
  <mat-icon fontSet="fab" fontIcon="fa-twitter" inline></mat-icon>
  Twitter
</button>

<button (click)= "loginWithFacebook()" mat-raised-button color="warn">
  <mat-icon fontSet="fab" fontIcon="fa-facebook-f" inline></mat-icon>
  Facebook
</button>

<button (click)= "loginWithGithub()" mat-raised-button color="link">
  <mat-icon fontSet="fab" fontIcon="fa-github" inline></mat-icon>
```

Github
</button>

Reference

- "Display icons using Font Awesome with Angular Material 6",
<https://blog.tagbangers.co.jp/2018/09/05/font-awesome-angular-material>
- "Angular5, Angular6, Angular7 Custom Library: Step-by-step guide",
<https://www.udemy.com/angular5-custom-library-the-definitive-step-by-step-guide/>
- "Angular5, Angular6, Angular7用 カスタムライブラリの作成: 完全ステップ・バイ・ステップ・ガイド",
<https://www.udemy.com/angular5-1/>