

Understanding Components

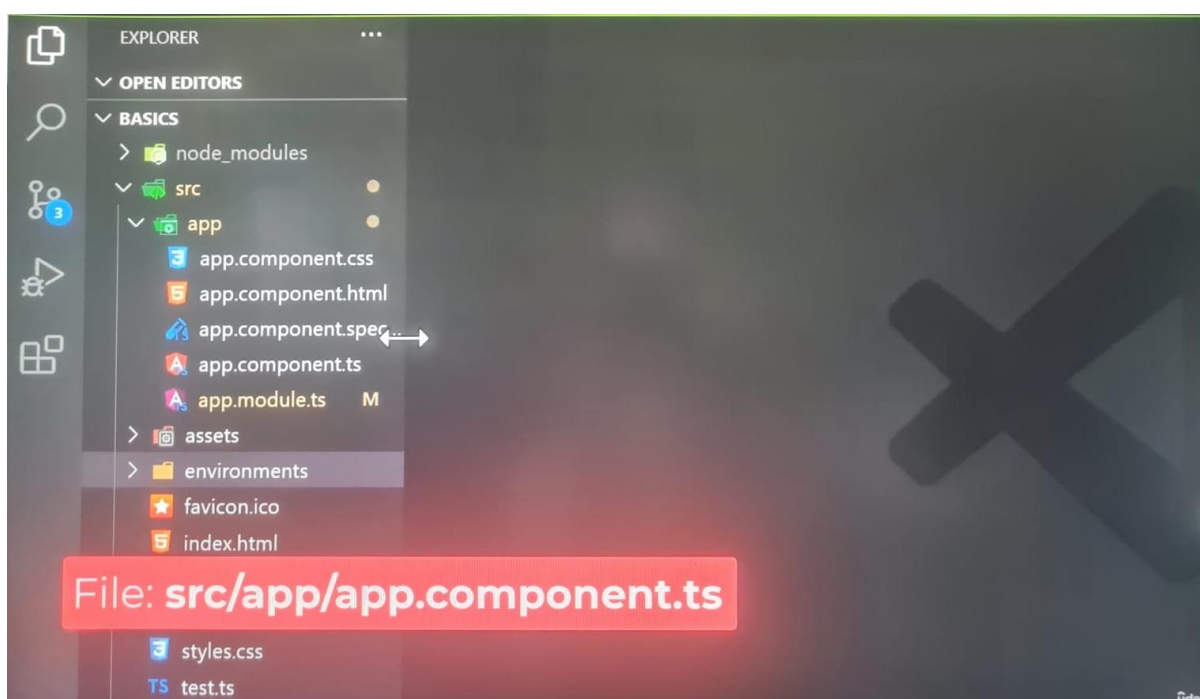
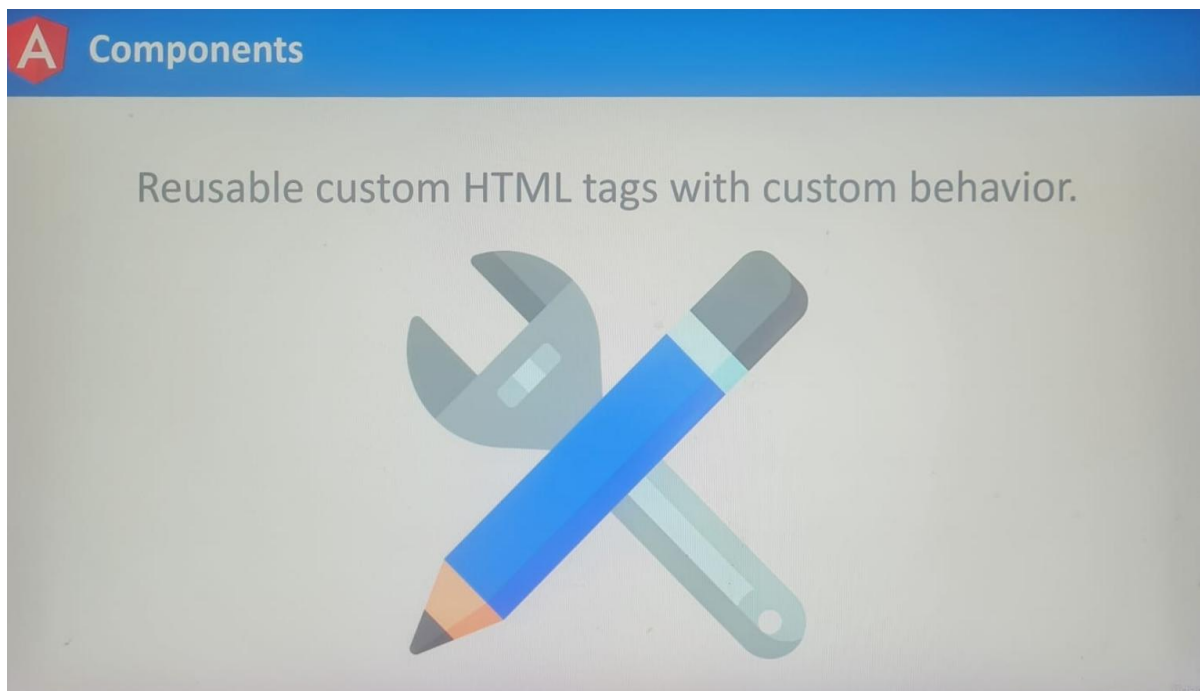
Components can be thought of as custom HTML tags.



HTML Tags

- `<form>`
- `<button>`
- `<input>`
- `<script>`





```
app.component.ts X
src > app > app.component.ts > AppComponent
1  import { Component } from '@angular/core';
2
3  @Component({
4    selector: 'app-root',
5    templateUrl: './app.component.html',
6    styleUrls: ['./app.component.css']
7  })
8  export class AppComponent {
9    title = 'basics';
10 }
11
```

At current version of Angular, I have inside **src/app/app.ts** the following:

```
TS app.ts X
basics > src > app > TS app.ts > ...
1  import { Component } from '@angular/core';
2  import { RouterOutlet } from '@angular/router';
3
4  @Component({
5    selector: 'app-root',
6    imports: [RouterOutlet],
7    templateUrl: './app.html',
8    styleUrls: ['./app.css']
9  })
10 export class App {
11   protected title = 'basics';
12 }
13
```

Recreating AppComponent:

```
app.component.ts M X
src > app > app.component.ts > AppComponent
1  import { Component } from '@angular/core';
2
3  @Component({
4    selector: 'app-root',
5    template: `<p>Hello world!</p>`
6  })
7  export class AppComponent {
8
9  }
```

```
app.component.ts M  app.module.ts M X
src > app > app.module.ts > ...
1  import { NgModule } from '@angular/core';
2  import { BrowserModule } from '@angular/platform-browser';
3
4  import { AppComponent } from './app.component';
5
6  @NgModule({
7    imports: [
8      BrowserModule
9    ]
10 })
11 export class AppModule { }
```

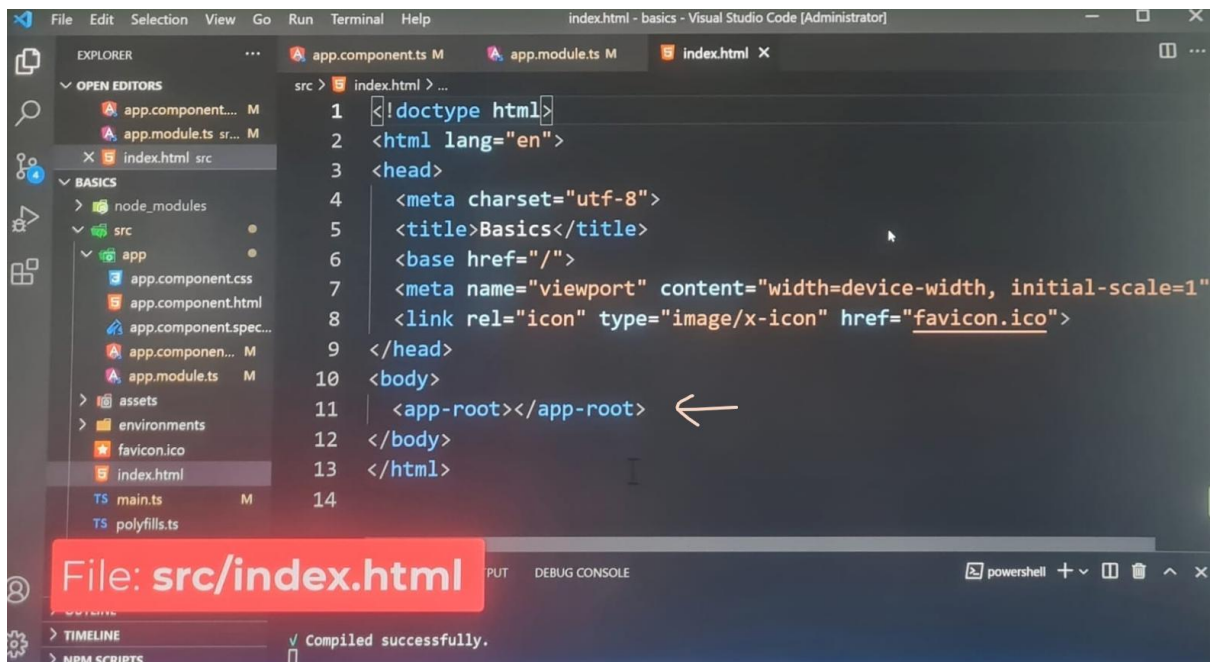
```
app.component.ts M  app.module.ts M X
src > app > app.module.ts > AppModule

3
4 import { AppComponent } from './app.component';
5
6 @NgModule({
7   imports: [
8     BrowserModule
9   ],
10  declarations: [
11    AppComponent
12  ],
13 })
14 export class AppModule { }
```

Register

```
app.component.ts M  app.module.ts M X
src > app > app.module.ts > AppModule

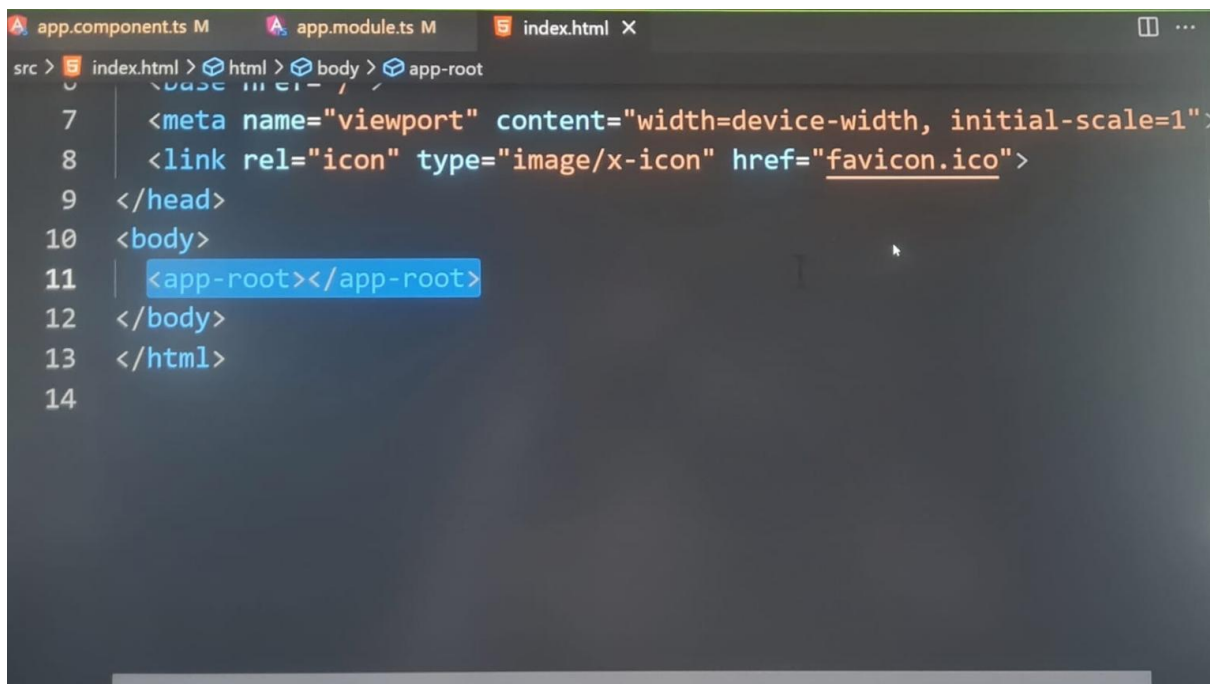
3
4 import { AppComponent } from './app.component';
5
6 @NgModule({
7   imports: [
8     BrowserModule
9   ],
10  declarations: [
11    AppComponent
12  ],
13  bootstrap: [AppComponent]
14 })
15 export class AppModule { }
```



```
1 <!doctype html>
2 <html lang="en">
3 <head>
4   <meta charset="utf-8">
5   <title>Basics</title>
6   <base href="/">
7   <meta name="viewport" content="width=device-width, initial-scale=1">
8   <link rel="icon" type="image/x-icon" href="favicon.ico">
9 </head>
10 <body>
11   <app-root></app-root>
12 </body>
13 </html>
14
```

File: src/index.html

Compiled successfully.



```
7 <meta name="viewport" content="width=device-width, initial-scale=1">
8 <link rel="icon" type="image/x-icon" href="favicon.ico">
9 </head>
10 <body>
11   <app-root></app-root>
12 </body>
13 </html>
14
```

