

Parent Child component relationship

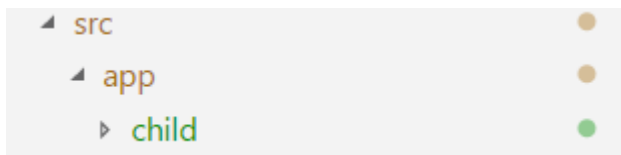
In a Angular app, The components are generally created with a hierarchy and information flow will be usually from top to bottom. If we call a component within a component then the component in which we call is called parent and the component that is called is called as child component.

As per the app so far, we have the root component and we can generate a new component using the command

a

```
E:\fullstack\firstapp>ng generate component child
create src/app/child/child.component.html (24 bytes)
create src/app/child/child.component.spec.ts (621 bytes)
create src/app/child/child.component.ts (265 bytes)
create src/app/child/child.component.css (0 bytes)
update src/app/app.module.ts (394 bytes)
```

The component is generated in the app folder as follows



The child component typescript file appears this way

```
1 import { Component, OnInit } from '@angular/core';
2
3 @Component({
4   selector: 'app-child',
5   templateUrl: './child.component.html',
6   styleUrls: ['./child.component.css']
7 })
8 export class ChildComponent implements OnInit {
9
10   constructor() { }
11
12   ngOnInit() {
13   }
14
15 }
16
```

Declare a variable called data as follows

```
1  import { Component, OnInit } from '@angular/core';
2
3  @Component({
4    selector: 'app-child',
5    templateUrl: './child.component.html',
6    styleUrls: ['./child.component.css']
7  })
8  export class ChildComponent implements OnInit {
9
10     data:string="Child Component ....";
11     constructor() { }
12
13     ngOnInit() {
14     }
15
16 }
17
```

And in the template file(child.component.html),



```
1  <div class="unit">
2    {{data}}
3  </div>
4
```

In the css file



```
1  .unit{
2    background-color: #4682b4;
3    color: #00008b;
4    padding: 10px;
5    margin: 10px;
6  }
```

Now that component code is ready, This component can be called in root component by using the selector <app-child>

```
1 | <h1> Angular app is working </h1>
2 |
3 | {{title}}
4 |
5 | <hr>
6 | <app-child></app-child>
7 | <app-child></app-child>
8 | <app-child></app-child>
```

Now if we check the output we find the page as it is shown below.

