

Angular Nested Components:

What are Angular Nested Components?

The Angular framework allows us to use a component within another component and when we do so then it is called Angular Nested Components. The outside component is called the parent component and the inner component is called the child component.

Steps to create two angular components

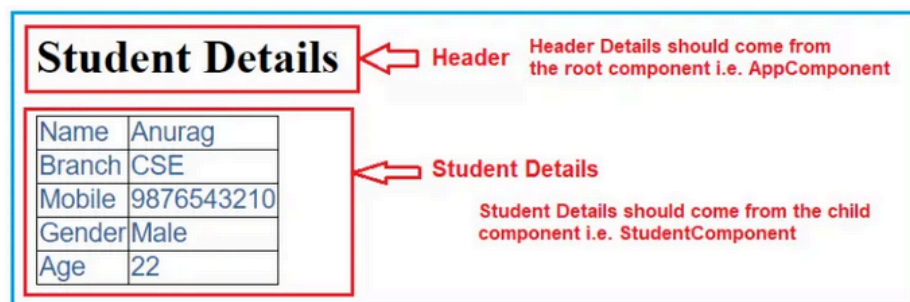
Create a new project using the following command

```
ng new MyAngularApp
```

AppComponent: The AppComponent is used to display the page header. This is our parent component.

StudentComponent: The StudentComponent is used to display the Student details. This is our child component. As this is the child component, it should be nested inside the AppComponent i.e. parent component.

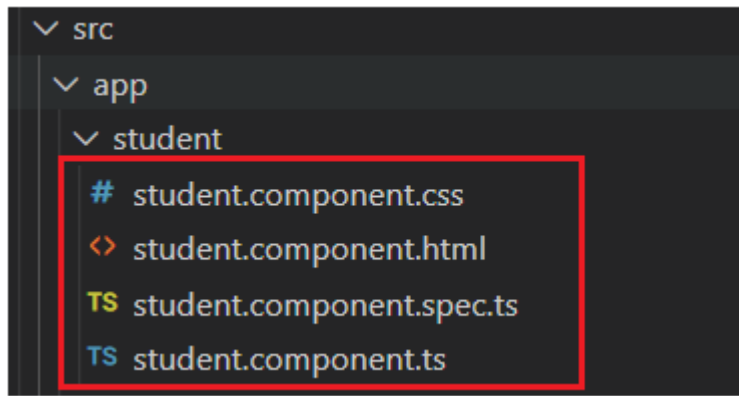
The following diagram gives you a clear idea about the above two points.



Step1: Creating student component

Open Visual Studio Code terminal and type **ng g c student** and press the enter button as shown in the below image.

```
OUTPUT  TERMINAL  DEBUG CONSOLE  PROBLEMS
PS D:\AngularProjects\MyAngularApp> ng g c student
```



Step2: Modifying Student.component.html file:

This file is going to contain the HTML for the student component.

```
<table>
<tr>
<td>Name</td>
<td>{{Name}}</td>
</tr>
<tr>
<td>Branch</td>
<td>{{Branch}}</td>
</tr>
<tr>
<td>Mobile</td>
<td>{{Mobile}}</td>
</tr>
<tr>
<td>Gender</td>
<td>{{Gender}}</td>
</tr>
<tr>
<td>Age</td>
<td>{{Age}}</td>
</tr>
</table>
```

Step3: Modifying the student.component.ts file:

Within the student folder, you can find a file with the name **student.component.ts** within which the **StudentComponent** is created.

```
import { Component } from '@angular/core';
@Component({
  selector: 'app-student',
  templateUrl: './student.component.html',
  styleUrls: ['./student.component.css']
})
```

```
export class StudentComponent {  
  Name: string = 'Anurag';  
  Branch: string = 'CSE';  
  Mobile: number = 9876543210;  
  Gender: string = 'Male';  
  Age: number = 22;  
}
```

Step3: Modifying the App.Component.html file

Now, open **app.component.html** file

```
div>  
<h1>{{pageHeader}}</h1>  
<app-student></app-student>  
</div>
```

Running Angular Application:

In order to compile and run the angular application with your default browser, type **ng serve -o** and press the enter key as shown below.

```
PS D:\AngularProjects\MyAngularApp> ng serve -o
```

Student Details

Name	Anurag
Branch	CSE
Mobile	9876543210
Gender	Male
Age	22