

## Module 5 – Angular Services and Dependency Injection

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Demo Document 1 – Create weather service and use dependency injection to inject into component.

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## In this demo, we will see how to create custom service to display weather data and inject it into the component

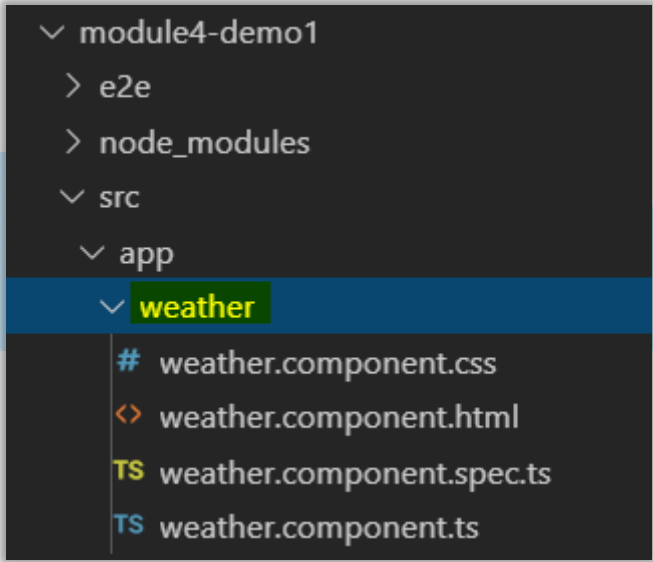
**Step 1** – Open visual studio code, create new app by using command 'ng new module5-demo1'

```
PS D:\Work\TapChief\Edureka\Angular8Demo\Module4> ng new module4-demo1
```

**Step 2** – Navigate to module4-demo1/src/app and create weather component using command 'ng g c weather'

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

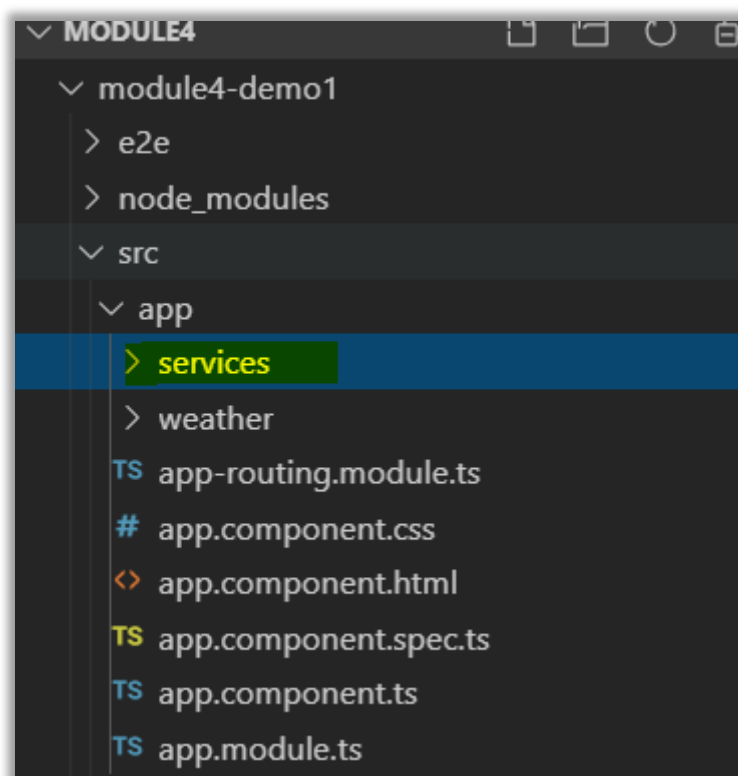
```
PS D:\Work\TapChief\Edureka\Angular8Demo\Module4\module4-demo1\src\app> ng g c weather
```



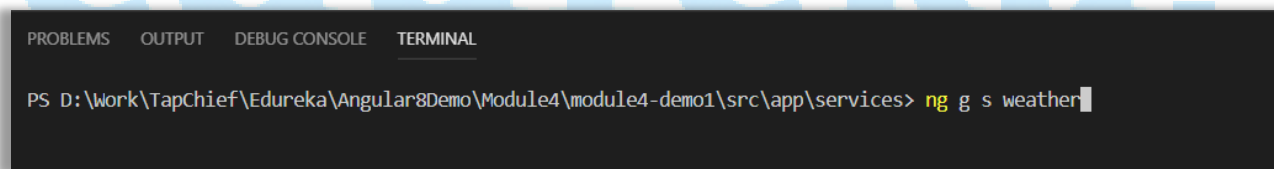
The screenshot shows the Explorer sidebar in Visual Studio Code. The file tree is expanded to show the 'weather' component folder inside 'src/app'. The files listed are:

- weather.component.css
- weather.component.html
- weather.component.spec.ts
- weather.component.ts

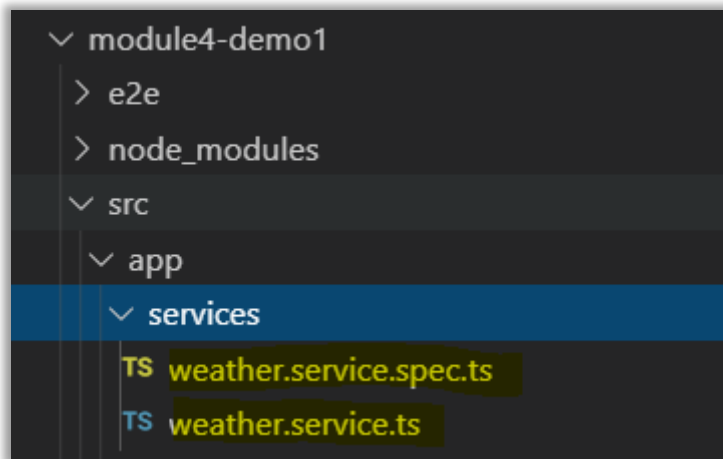
**Step 3** – Create services folder under module4-demo1/src/app as shown below



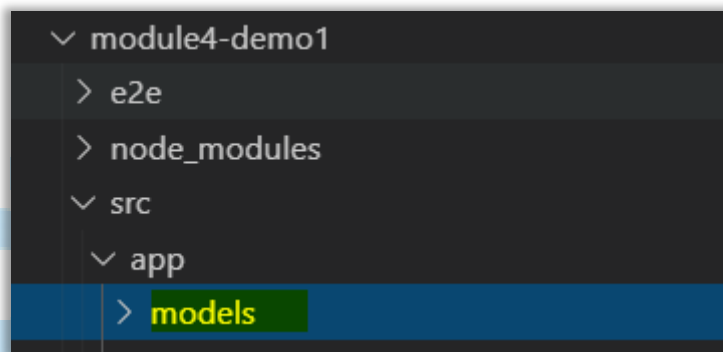
**Step 4** – Navigate to services folder and create weather service using command 'ng g s weather'.



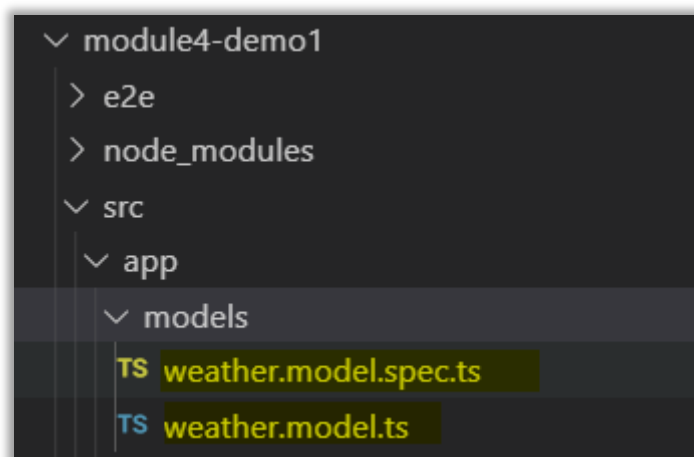
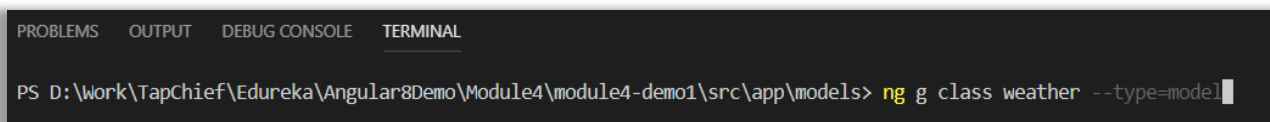
**Step 5** – It will create weather service as shown below



**Step 6** – Create a models folder for weather model



**Step 7** – Create weather model using command 'ng g class weather --type=model'.



**Step 8** – Add below code to weather.model.ts.

```

TS weather.model.ts ×
module4-demo1 > src > app > models > TS weather.model.ts > Weather
1  export interface Weather{
2      id : number,
3      name : string,
4      country: string,
5      population:number,
6      timezone:number,
7      coord:any[]
8
9  }

```

**Step 9** – Now we will inject our newly created weather service into the component.

Open weather.component.ts and Inject weather service via constructor as below.

```

TS weather.model.ts  TS weather.service.ts  TS weather.component.ts
module4-demo1 > src > app > weather > TS weather.component.ts > WeatherComponent > constructor
1  import { Component, OnInit } from '@angular/core';
2  import { WeatherService } from '../services/weather.service';
3  import { Weather } from '../models/weather.model';
4
5  @Component({
6      selector: 'app-weather',
7      templateUrl: './weather.component.html',
8      styleUrls: ['./weather.component.css']
9  })
10 export class WeatherComponent implements OnInit {
11
12     errorMessage: string;
13     cityName: string;
14     disabledForecastButton: boolean;
15     weatherForecastData: Weather;
16     cityinitail:string;
17
18     constructor(private _weatherService: WeatherService) {}
19
20     ngOnInit() {
21     }
22
23 }

```

**Step 10** – Run app using ng serve

We have not used any HttpClient or observables to fetch data nothing will be shown on screen.

In next Module we will see how to use Observables and HTTP client to fetch data from service

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