

## Lesson 02 Demo 04

### Implementing Service and Injectables

**Objective:** To implement Service and Injectable

**Tools required:** Ubuntu, Visual Studio, Node.js

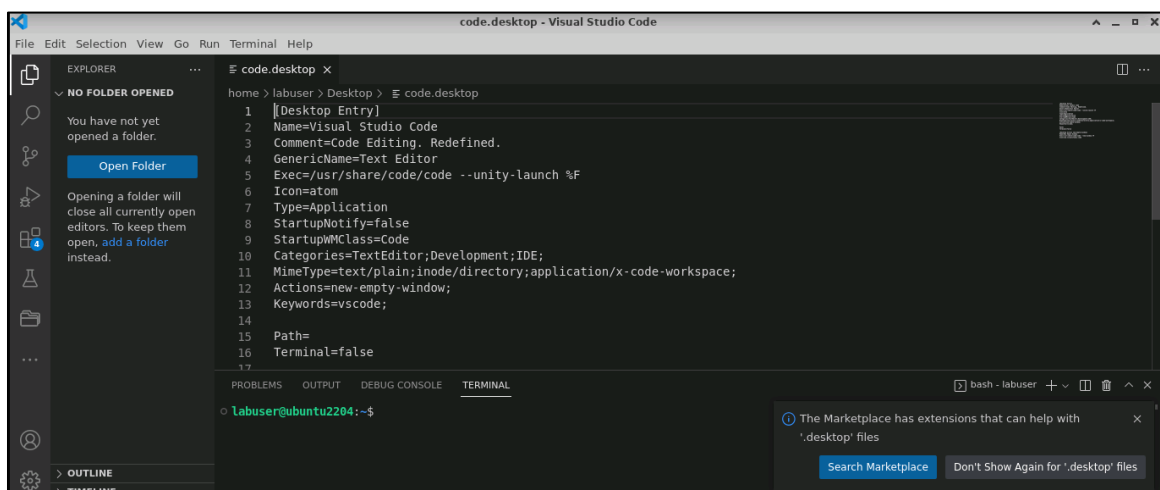
**Prerequisites:** Knowledge of JavaScript, Typescript, Node.js

Steps to be followed:

1. Create injectables in Angular

#### Step 1: Create injectables in Angular

##### 1.1 Open Visual Studio



- 1.2 Create a new project using the command `ng new angularexamples` and enter **yes**:

```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

npm WARN using --force Recommended protections disabled.
● labuser@ubuntu2204:~$ npm update

up to date, audited 5 packages in 830ms

found 0 vulnerabilities
● labuser@ubuntu2204:~$ npm i @angular/core -s
○ labuser@ubuntu2204:~$ ng new angularexamples
? Would you like to add Angular routing? (y/N) █

```

1.3 Open the created project folder. Go to **File, open folder**, and go to **angularexamples**.

1.4 Create a folder for service files by using the command: **ng g service services/injectable**.  
(Note: In my case its ng g service services/injectables. It can be anything in your case.)

```

● labuser@ubuntu2204:~/angularexamples$ ng g service services/injectable
? Would you like to share pseudonymous usage data about this project with the Angular Team
at Google under Google's Privacy Policy at https://policies.google.com/privacy. For more
details and how to change this setting, see https://angular.io/analytics. Yes

Thank you for sharing pseudonymous usage data. Should you change your mind, the following
command will disable this feature entirely:

  ng analytics disable

Global setting: enabled
Local setting: enabled
Effective status: enabled
Connect Tests ✓ 0 × 0 coverage: progress  Ubuntu, 1 minute ago Ln 1, Col 1

```

1.5 Register this service that is created in the **module.ts** file. Go to the **app.module.ts** file and add the code below:

```

import { BrowserModule } from '@angular/platform-browser';
import { NgModule } from '@angular/core';

```

```
import { AppRoutingModuleModule } from './app-routing.module';
import { AppComponent } from './app.component';
import { InjectablesService } from './services/injectables.service'
```

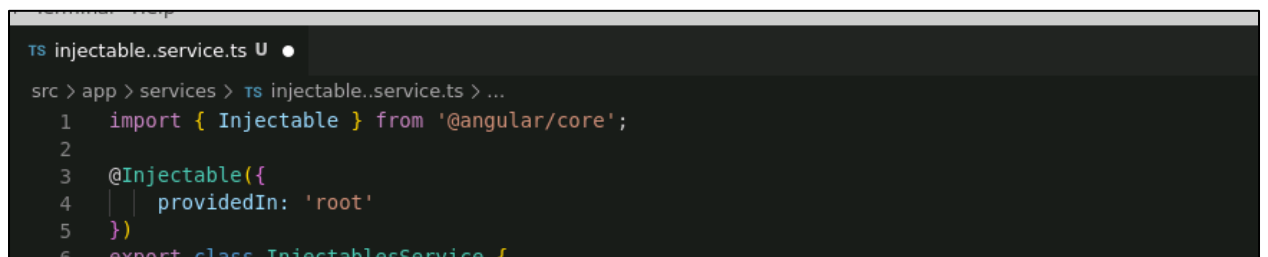
```
@NgModule({
  declarations: [
    AppComponent
  ],
  imports: [
    BrowserModule,
    AppRoutingModuleModule
  ],
  providers: [InjectablesService],
  bootstrap: [AppComponent]
})
export class AppModule { }
```

1.6 Write the code below in your .ts file of created service (Note: In my case, it's injectables.service.ts)

```
import { Injectable } from '@angular/core';

@Injectable({
  providedIn: 'root'
})
export class InjectablesService {

  constructor() { }
  Injectable(){
    console.warn("Injectable is called")
  }
}
```



```
TS injectable..service.ts U
src > app > services > ts injectable..service.ts > ...
1 import { Injectable } from '@angular/core';
2
3 @Injectable({
4   | providedIn: 'root'
5 })
6 export class InjectablesService {
7
8   constructor() { }
9   Injectable(){
10     console.warn("Injectable is called")
11   }
12 }
```

1.7 Write the below code in the **app.component.ts** file:

```
import { Component } from '@angular/core';
import {InjectablesService} from './services/injectables.service'

@Component({
  selector: 'app-root',
  templateUrl: './app.component.html',
  styleUrls: ['./app.component.css']
})
export class AppComponent {
  title = 'Injectable in Angular';
  constructor(ts:InjectablesService){
    ts.Injectable()
  }
}
```

1.8 Go to **app.component.html** and write the below code:

```
<h1>{{title}}</h1>>
```

1.10 Run the **ng serve** command in the terminal, copy the **localhost address**, and paste it into the browser

