1. **Install Angular CLI and Create Angular 7 HttpClient Web Application**

To install or upgrade the latest Angular 7 CLI, type this command in the terminal or Node command line.

npm install -g @angular/cli

Create a new Angular 7 Web Application using this Angular CLI command.

ng new service-demo

Next, go to the newly created Angular 7 project folder.

cd service-demo

Now, you run the new Angular 7 web application using your own host and port.

ng serve –-open

Open your browser then go to `http://localhost:4200` you will see this Angular 7 page.

### ****Setup and Configure Angular 7 HttpClient****

In the created Angular 7 application, we have set up and configure Angular7 HttpClient. The modules already included with Angular 6, we just register the module for use within Angular 6 application. Open and edit `src/app/app.module.ts` then add this import.

import { HttpClientModule } from '@angular/common/http';

Add that module in `@NgModule` imports.

imports: [

  BrowserModule,

  HttpClientModule

],

That it's, now you can use the Angular 7 HttpClient in your application.

### ****Create Angular 7 Service for consuming RESTful API using Angular 7 HttpClient****

We will put HttpClient access to the separate Angular 7 service. For that, type this command to generate an Angular 7 service after stopping the running Angular 7 application by press `CTRL+C`.

ng generate service product

Next, open and edit `src/app/product.service.ts` then add or replace these imports.

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

import { HttpClient } from '@angular/common/http';

import { OnInit } from '@angular/core';

import { IProduct } from 'src/app/product';

import { Observable } from 'rxjs';

Inject the HttpClient module to the constructor params.

constructor(private http: HttpClient) { }

### ****Create a folder data in assets folder then create product.json file.****

**Content of product.json looks like this.**

[

{"id":123,"name":"Pen","cost":100},

{"id":234,"name":"HDD","cost":4000},

{"id":456,"name":"Mac","cost":75000},

{"id":789,"name":"Test","cost":7500}

]

### ****5 Open product-service.ts file and paste the following code.****

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

import { HttpClient } from '@angular/common/http';

import { OnInit } from '@angular/core';

import { IProduct } from 'src/app/product';

import { Observable } from 'rxjs';

@Injectable()

export class ProductService {

constructor(private http:HttpClient) { }

getAllProducts():Observable<IProduct[]>{

return this.http.get<IProduct[]>('./assets/data/product.json')

}

}

### ****Accessing Angular 7 HttpClient Service from Component****

Now, we have to access all RESTful API call that using Angular 7 HttpClient from the component. For that, add or generate all required component using this commands.

### ng generate component productList

### 6 ****Paste the following code in product-list.component.ts file****

import { Component, OnInit } from '@angular/core';

import { ProductService } from 'src/app/product.service';

@Component({

selector: 'app-product-list',

template: `

<ul>

<li \*ngFor="let product of products">

{{product.name}}

</li>

</ul>

`,

styles: []

})

export class ProductListComponent implements OnInit {

products:any[];

constructor(private service:ProductService) {

}

ngOnInit() {

// console.log(this.service.getAllProducts())

this.service.getAllProducts()

.subscribe(data=>this.products=data)

}

}

### **7 **Copy selector from product-list.component.ts file and paste it into index.html page****

<app-product-list></app-product-list>

### **8 **Open app.module.ts file and make an entry of HttpClientModule in the imports array. The code of app.module.ts file look like this.****

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

import { NgModule } from '@angular/core';

import { AppRoutingModule } from './app-routing.module';

import { AppComponent } from './app.component';

import { ProductListComponent } from './product-list/product-list.component';

import { ProductDetailsComponent } from './product-details/product-details.component';

import { ProductService } from 'src/app/product.service';

import {HttpClientModule} from '@angular/common/http'

@NgModule({

declarations: [

AppComponent,

ProductListComponent,

ProductDetailsComponent

],

imports: [

BrowserModule,

AppRoutingModule,

HttpClientModule

],

providers: [ProductService],

bootstrap: [AppComponent]

})

export class AppModule { }

### ****9 Run the application by****

ng serve –-open