**Step 1: Set Up a New Angular Project**

1. Open your terminal and create a new Angular project:

ng new AngularHttpClientExample

1. Navigate to the project directory:

cd AngularHttpClientExample

1. Install necessary packages (if @angular/common/http is not already installed):

npm install @angular/common@latest

1. Open the project in your code editor.

**Step 2: Generate a Service to Fetch API Data**

In the terminal, generate a service for handling HTTP requests:

ng generate service data

This will create data.service.ts in the src/app directory.

**Step 3: Modify the Service to Use HttpClient**

1. Open data.service.ts.
2. Import HttpClient and Observable from Angular’s @angular/common/http package.
3. Define a method that fetches data from an API and returns an Observable.

**data.service.ts:**

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

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

import { Observable } from 'rxjs';

@Injectable({

providedIn: 'root'

})

export class DataService {

// Define your API endpoint

private apiUrl = 'https://jsonplaceholder.typicode.com/posts'; // Example API

constructor(private http: HttpClient) { }

// Method to fetch data from the API

getData(): Observable<any> {

return this.http.get<any>(this.apiUrl);

}

}

**app.component.ts-**

// app.component.ts

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

import { DataService } from './data.service';

import { CommonModule } from '@angular/common';

@Component({

  selector: 'app-root',

  standalone: true, // Make sure this is set to true

  imports: [CommonModule], // Import any required Angular modules here

  template: `

    <h1>Fetched Data from API</h1>

    <ul \*ngIf="data.length">

      <li \*ngFor="let item of data">{{ item.title }}</li>

    </ul>

  `,

  styles: []

})

export class AppComponent implements OnInit {

  data: any[] = [];

  constructor(private dataService: DataService) {}

  ngOnInit(): void {

    this.dataService.getData().subscribe(

      (response) => {

        this.data = response;

      },

      (error) => {

        console.error('Error fetching data:', error);

      }

    );

  }

}

**app.module.ts-**

note --if app.module.ts Is not their create manully

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

@NgModule({

  declarations: [], // Empty because we’re not using AppComponent here

  imports: [],

  providers: [],

})

export class AppModule {}

**main.ts**

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

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

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

bootstrapApplication(AppComponent, {

  providers: [provideHttpClient()]

}).catch(err => console.error(err));

**run command =** ng serve