Prepare new app

Generate few components like

Home,aboutus,contactus

Goto app.component.html and copy the below code

<h1>Pipe Demo And Routing</h1>

<ul class="nav">

    <li class="nav-item">

        <a class="nav-link" routerLink="home">Home</a>

    </li>

    <li class="nav-item">

        <a class="nav-link" routerLink="aboutus">About Us</a>

    </li>

    <li class="nav-item">

        <a class="nav-link" routerLink="contactus">Contact Us</a>

    </li>

</ul>

<router-outlet></router-outlet>

**Goto >app.routing.module.ts**

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

import { RouterModule, Routes } from '@angular/router';

import { AboutusComponent } from './aboutus/aboutus.component';

import { ContactusComponent } from './contactus/contactus.component';

import { PipedemoComponent } from './pipedemo/pipedemo.component';

const routes: Routes = [

  ///path to redirect

  {"path":"aboutus",component:AboutusComponent},

  {"path":"contactus",component:ContactusComponent},

  {"path":"home",component:PipedemoComponent},

];

@NgModule({

  imports: [RouterModule.forRoot(routes)],

  exports: [RouterModule]

})

export class AppRoutingModule { }

**[Note:\* I had added bootstarp in index.html file, you can add css and sript from bootstrap official website as you had already done in html and bootstrap]**

**save it and check the output**

**HTTP SERVICE**

**Generate component**

* **Ng g c user**

**Generate Service**

**>ng g s dataService**

**Prepare userclass by right clicking on app**

export class UserClass{

    id:number;

    name:string;

    username:string;

    email:string;

}

**Goto>dataservice.ts**

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

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

import { Observable } from 'rxjs';

import { UserClass } from './userclass';

@Injectable({

  providedIn: 'root'

})

export class DataService {

  //url: "https://jsonplaceholder.typicode.com/users"

  url:string = "https://jsonplaceholder.typicode.com/users";

  //url:string="./assests/question.json"

  //inject the dependency

  constructor(private http: HttpClient) { }

  getAllUsers():Observable<UserClass[]>{

    return this.http.get<UserClass[]>(this.url);

  }

}

**User.coponent.ts**

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

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

import { UserClass } from '../userclass';

@Component({

  selector: 'app-user',

  templateUrl: './user.component.html',

  styleUrls: ['./user.component.css']

})

export class UserComponent implements OnInit {

  //inject service

  constructor( private service:DataService) { }

  users:UserClass[];

  ngOnInit(): void {

    this.service.getAllUsers().subscribe(result=>this.users=result);

  }

}

**Approuting.module.ts**

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

import { RouterModule, Routes } from '@angular/router';

import { AboutusComponent } from './aboutus/aboutus.component';

import { HomeComponent } from './home/home.component';

import { PipeDemoComponent } from './pipe-demo/pipe-demo.component';

import { UserComponent } from './user/user.component';

const routes: Routes = [

  //path to redirect

  {"path":"about",component:AboutusComponent},

  {"path":"pipe",component:PipeDemoComponent},

  {"path":"home",component:HomeComponent},

  {"path":"user",component:UserComponent},

];

@NgModule({

  imports: [RouterModule.forRoot(routes)],

  exports: [RouterModule]

})

export class AppRoutingModule { }

**goto app.component.html**

<ul  class="nav">

  <li class="nav-item">

    <a class="nav-link" routerLink="home" >Home</a>

  </li>

  <li class="nav-item">

    <a class="nav-link" routerLink="pipe" >Pipes</a>

  </li>

  <li class="nav-item">

    <a class="nav-link" routerLink="about" >AboutUs</a>

  </li>

  <li class="nav-item">

    <a class="nav-link" routerLink="user" >User</a>

  </li>

</ul>

<router-outlet></router-outlet>