**Angular 2**

**Method 1**

* Create new folder and name it something (ex:angular2)
* Before that need to install node js and git bash in your system
* Then inside your angular2 folder right click and choose git bash here
* **git clone** [**https://github.com/angular/quickstart**](https://github.com/angular/quickstart) **Demo**
* Run above command
* Once command executed run cd Demo
* Then run the below command
* **npm install**
* If command executed, give below command
* **npm start**
* Then go to the browser run below url
* **localhost:3000**
* It will executed sample angular 2 application

**Method 2**

* Create new folder and name it something(ex : angular2)
* **npm install -g @angular/cli**
* Run above command from inside your folder using git bash
* Once its executed, run below command
* **ng new my-app**
* If executed successfully, then run below commands
* **cd my-app**
* **ng serve --open**
* It will open in your browser automatically
* if you want to change port number run below command
* **ng serve --port 6501 --open**
* In that 6501 you can give any port number

**Routing**

* Go to src->index.html
* Check base-href="/"
* Create two component file in src folder
* I will create the file name like services.component.ts,aboutus.component.ts
* create above files inside src->app
* I will add below codes inside the aboutus.component files

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

@Component ({

selector: 'my-app',

template: 'About us',

})

export class AppAboutus {

}

* I will add below code in services.component.ts file

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

@Component ({

selector: 'my-app',

template: 'Services',

})

export class AppServices {

}

* Add below lines in app.module.ts in dependency injection section

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

import { AppServices } from './services.component';

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

* Then add below code after dependency injection

const appRoutes: Routes = [

{ path: 'Aboutus', component: AppAboutus },

{ path: 'Services', component: AppServices },

];

* Reconfigure the @ngmodule in app.module.ts
* add below codes for configure

@NgModule({

declarations: [

AppComponent,AppAboutus,AppServices

],

imports: [

BrowserModule,

RouterModule.forRoot(appRoutes)],

providers: [],

bootstrap: [AppComponent]

})

* Add below lines in app.component.html

<ul>

<li><a [routerLink] = "['/Aboutus']">About us</a></li>

<li><a [routerLink] = "['/Services']">Services</a></li>

</ul>

<router-outlet></router-outlet>

**ngFor and image source**

* I will add below codes all for ngfor and image source
* I will create a new html file called aboutus.component.html
* I have created this html file for aboutus.component.ts
* I have added below codes in aboutus.component.ts inside export class

images: any[] = [ {

"ID": "1",

"url": './src/app/images/1.jpg'

},

{

"ID": "2",

"url": './src/app/images/2.jpg'

} ];

* I will add below code inside aboutus.component.html

<div \*ngFor = 'let lst of images'>

<ul>

<li>{{lst.ID}}</li>

<img [src] = 'lst.url'>

</ul>

</div>

* i have already added two images in src->app->images folder
* Now check the browser, two images are displayed

**Services**

* Create a new file aboutus.service.ts for service
* add below code inside this file

import {

Injectable

} from '@angular/core';

@Injectable()

export class aboutService {

getContent(): string {

return "Welcome to about us page";

}

}

* add below code in aboutus.component,ts
* this line should be add in dependency injection

import { aboutService } from './aboutus.service';

* add providers in @component section and this should be add in after template or templateurl

providers: [aboutService]

* add below codes In export class

constructor(private \_aboutService: aboutService) { }

defaultValue = this.\_aboutService.getContent();

* Add below code in about.component.html

<span>{{defaultValue}}</span>