**Example 1 for Route**

**ng g c components/home**

**ng g c components/about**

**ng g c components/contact**

**app-routing.module.ts**

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

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

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

import { AboutComponent } from './components/about/about.component';

import { ContactComponent } from './components/contact/contact.component';

const routes: Routes = [

  {

    path:'home',

    component:HomeComponent

  },

  {

    path:'about',

    component:AboutComponent

  },

  {

    path:'contact',

    component:ContactComponent

  }

];

@NgModule({

  imports: [RouterModule.forRoot(routes)],

  exports: [RouterModule]

})

export class AppRoutingModule { }

**app.module.ts**

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

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

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

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

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

import { AboutComponent } from './components/about/about.component';

import { ContactComponent } from './components/contact/contact.component';

@NgModule({

  declarations: [

    AppComponent,

    HomeComponent,

    AboutComponent,

    ContactComponent

  ],

  imports: [

    BrowserModule,

    AppRoutingModule

  ],

  providers: [],

  bootstrap: [AppComponent]

})

export class AppModule { }

**app.component.html**

<!DOCTYPE html>

<html>

<head>

<style>

ul {

  list-style-type: none;

  margin: 0;

  padding: 0px;

  overflow: hidden;

  background-color: lightgray;

}

li {

  float: left;

}

li a {

  display: block;

  color: blue;

 font-size:20px;

  text-align: center;

  padding: 10px 20px;

  text-decoration: none;

}

.active{

background-color: gray;

color: white;

}

li a:hover {

  background-color: orange;

  color: white;

}

</style>

</head>

<body>

<ul>

  <li><a routerLink="home">Home</a></li>

  <li><a routerLink="about">About</a></li>

  <li><a routerLink="contact">Contact</a></li>

</ul>

<router-outlet></router-outlet>

</body>

</html>

**Example 2 for Route Parameters**

**ng g c components/user**

**app-routing.module.ts**

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

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

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

const routes: Routes = [

  {

    path:'user/:name',

    component:UserComponent

  }

];

@NgModule({

  imports: [RouterModule.forRoot(routes)],

  exports: [RouterModule]

})

export class AppRoutingModule { }

**app.module.ts**

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

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

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

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

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

@NgModule({

  declarations: [

    AppComponent,

    UserComponent

  ],

  imports: [

    BrowserModule,

    AppRoutingModule

  ],

  providers: [],

  bootstrap: [AppComponent]

})

export class AppModule { }

**user.component.ts**

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

import { ActivatedRoute } from '@angular/router';

@Component({

  selector: 'app-user',

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

  styleUrls: ['./user.component.scss']

})

export class UserComponent implements OnInit {

  name='';

constructor(private route:ActivatedRoute) { }

ngOnInit(): void {

this.name = this.route.snapshot.params[‘name’];

  }

}

**user.component.html**

<p>user works!</p>

<h1>{{name}}</h1>