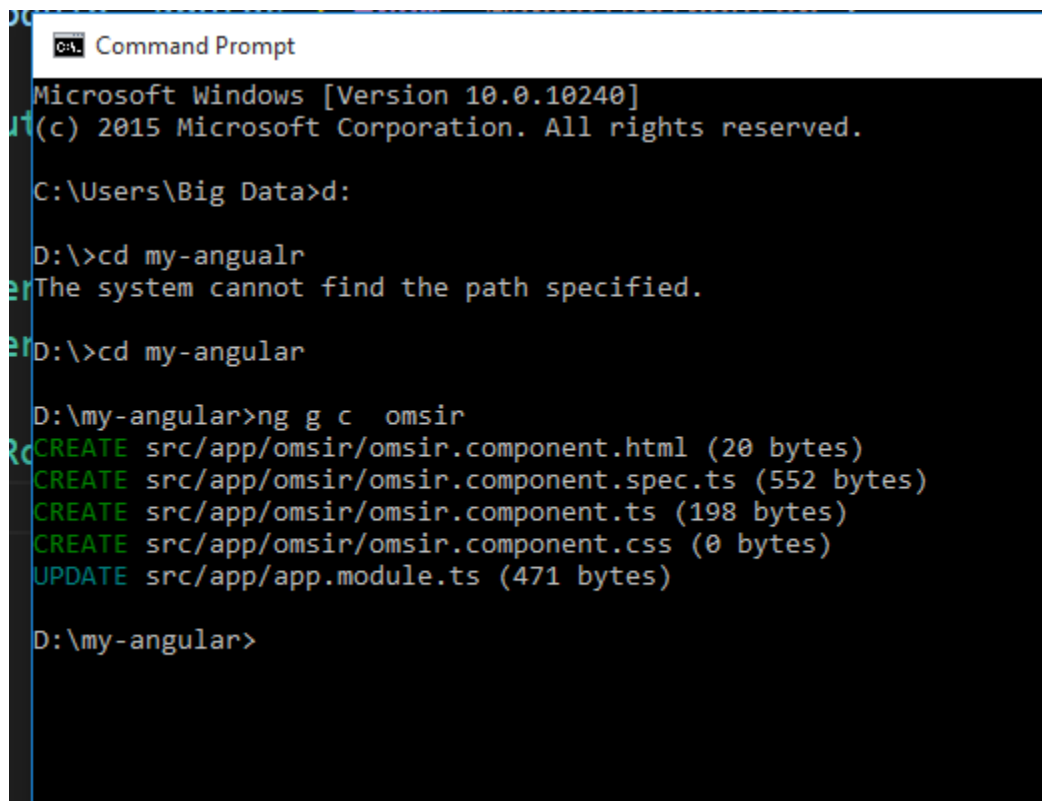


Angular Component with Event handling example :-

First go to your project folder for example "my-angular"

ng g c "component name"

See example given below :-



```
Command Prompt
Microsoft Windows [Version 10.0.10240]
(c) 2015 Microsoft Corporation. All rights reserved.

C:\Users\Big Data>d:

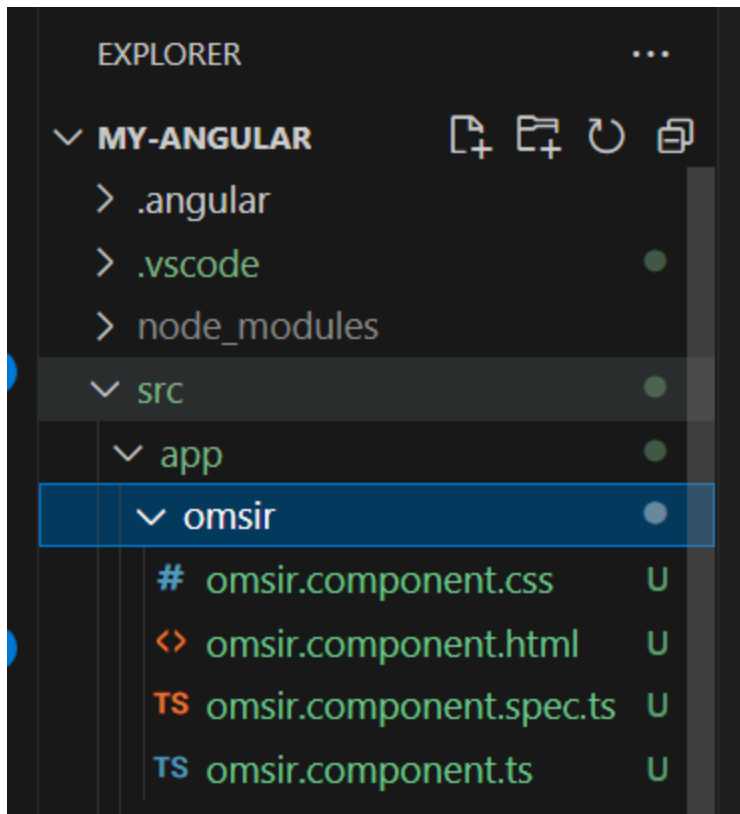
D:\>cd my-angular
The system cannot find the path specified.

D:\>cd my-angular

D:\my-angular>ng g c omsir
CREATE src/app/omsir/omsir.component.html (20 bytes)
CREATE src/app/omsir/omsir.component.spec.ts (552 bytes)
CREATE src/app/omsir/omsir.component.ts (198 bytes)
CREATE src/app/omsir/omsir.component.css (0 bytes)
UPDATE src/app/app.module.ts (471 bytes)

D:\my-angular>
```

After it you will see structure of omsir component as shown below:-



After it you can add your own css code in `omsir.component.css` file as shown below :-

```
# omsir.component.css U x <> omsir.component.html U
src > app > omsir > # omsir.component.css > h1
1 h1{color: red; background-color: aqua;}
```

And go to your `omsir.component.html` file :-

```
<h1>omsir works!</h1>
```

After it now make **routing of this component**

Step 1:-

Import `RouterModule` from `@angular/router`

Routing lets you display specific views of your application depending on the URL path. To add this functionality to your sample application, you need to update the `app.module.ts` file to use the module, `RouterModule`. You import this module from `@angular/router`.

1. From your code editor, open the `app.module.ts` file.
2. Add the following `import` statement.
`src/app/app.module.ts`

```
import { RouterModule } from '@angular/router';
```

and another things you need to do is

1. From your code editor, open the `app.module.ts` file.
2. Locate the `@NgModule()` section.
3. Replace the `imports` array in that section with the following.

```
imports: [  
  BrowserModule,  
  RouterModule.forRoot(  
    {path: 'omsir', component: OmsirComponent},  
  ]),  
],
```

So finally your `app.module.ts` file code will be like this save it :-

```
import { NgModule } from '@angular/core';  
import { BrowserModule } from '@angular/platform-browser';  
  
import { AppRoutingModule } from './app-routing.module';  
import { AppComponent } from './app.component';  
import { OmsirComponent } from './omsir/omsir.component';  
import { RouterModule } from '@angular/router';
```

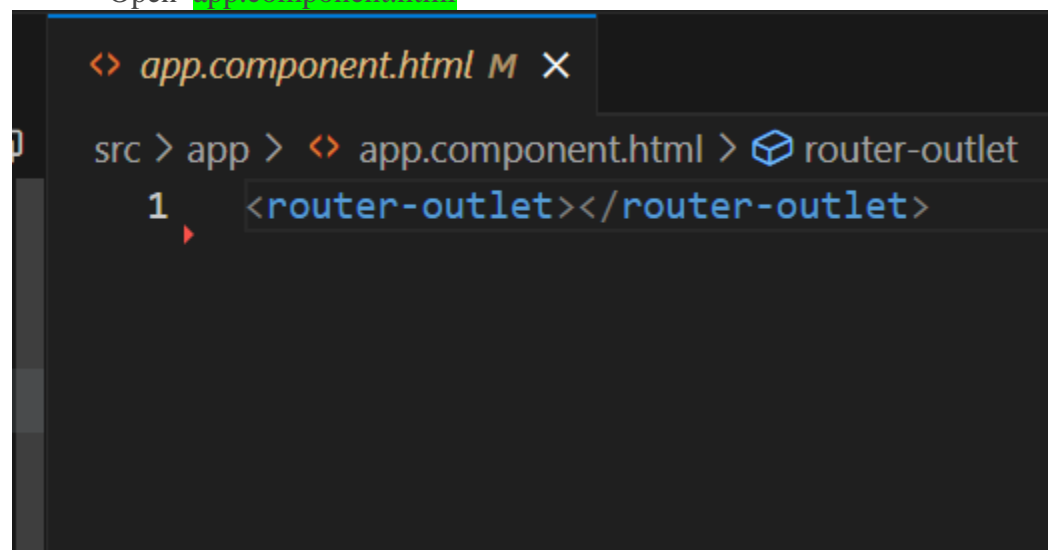
```
@NgModule({
  declarations: [
    AppComponent,
    OmsirComponent
  ],
  imports: [
    BrowserModule,
    RouterModule.forRoot([
      {path: 'omsir', component: OmsirComponent},
    ]),
  ],
  providers: [],
  bootstrap: [AppComponent]
})
export class AppModule { }
```

after it

Update your component with [router-outlet](#)

1. Add the [router-outlet](#) directive.

Open `app.component.html`



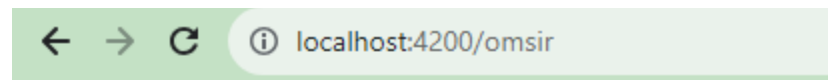
```
<> app.component.html M X
src > app > <> app.component.html > router-outlet
1 <router-outlet></router-outlet>
```

Finally run your application as shown below using `npm start`

```
D:\my-angular>npm start
> my-angular@0.0.0 start
> ng serve

✓ Browser application bundle generation complete.

Initial Chunk Files | Names | Raw Size
vendor.js           | vendor | 2.34 MB
polyfills.js       | polyfills | 333.18 kB
styles.css, styles.js | styles | 230.45 kB
main.js            | main | 49.66 kB
runtime.js         | runtime | 6.52 kB
```



omsir works!

After it you can add event handling examples as show below:-

Open `omsir.component.ts` file and

Add following code inside `class OmsirComponent`

```
message = 'Hello, World';

sayMessage()
{
  alert(this.message);
}
```

As shown below

```
TS omsir.component.ts U X
src > app > omsir > TS omsir.component.ts > OmsirComponent
1  import { Component } from '@angular/core';
2
3  @Component({
4    selector: 'app-omsir',
5    templateUrl: './omsir.component.html',
6    styleUrls: ['./omsir.component.css']
7  })
8  export class OmsirComponent {
9
10
11    message = 'Hello, World';
12
13    sayMessage()
14    {
15      alert(this.message);
16    }
17  }
18
```

After it open omsir.component.html file code:-

Add following code as shown below

```
<button
  type="button"

  (click)="sayMessage()">

  Trigger alert message

</button>
```



```
<> omsir.component.html U ✕  
src > app > omsir > <> omsir.component.html > ...  
1 <h1>omsir works!</h1>  
2  
3 <button  
4   type="button"  
5  
6   (click)="sayMessage()">  
7   Trigger alert message  
8 </button>  
9
```

After it run and see output

```
D:\my-angular>npm start  
> my-angular@0.0.0 start  
> ng serve  
  
√ Browser application bundle generation complete  
  
Initial Chunk Files | Names | Raw  
vendor.js           | vendor | 2.1  
polyfills.js       | polyfills | 333.1  
styles.css, styles.js | styles | 230.1  
main.js            | main | 49.1
```

Output:-

localhost:4200/omsir

omsir works!

Trigger alert message

localhost:4200 says
Hello, World

OK