Module 4 – Angular Directives and Pipes

Demo Document 1 –Use of Directives for shopping list

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In this demo, we will see how to use built in Directives and create Custom Directives and add it to the shopping list component created earlier.

- **Step 1** Open visual studio code, Open project folder created in Module 3 Demo1.
- Step 2 Navigate to src → app → product folder, open product.component.html file
- Step 3 We are using different built in directives in this component as mentioned below.

```
e.g. *ngFor, *ngIf etc.
```

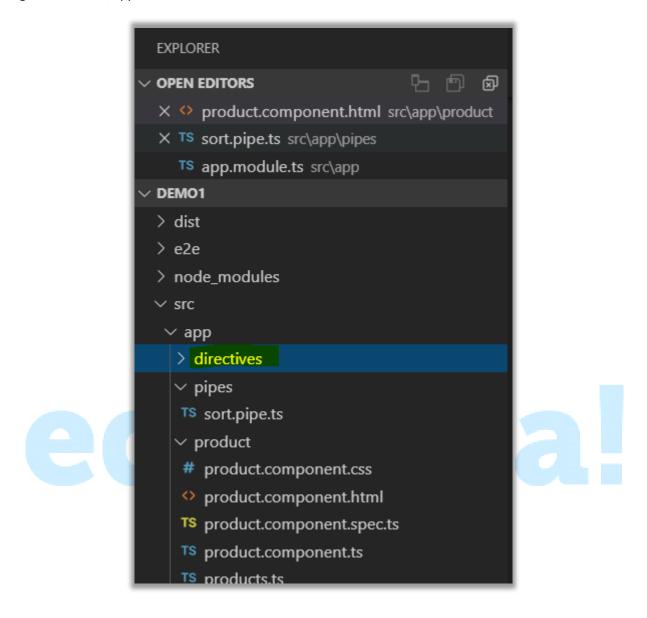
Below screenshot shows directives used in product component

*ngFor is used to loop through product array and display each item

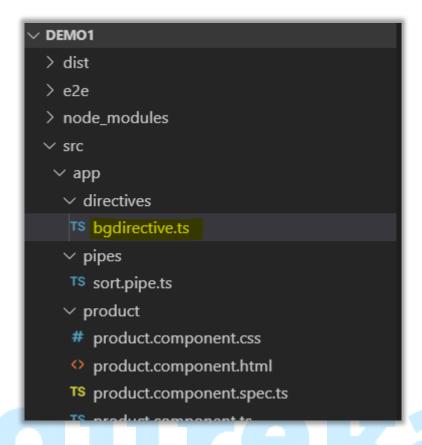
*ngIf is used to check if condition

Step 4 – Now we will create custom Directive for changing backgroud color of products added to cart, when we hover mouse on a product.

Right click on src/app folder and create new folder. Name this new folder as 'directives' as shown below.



Step 5 - Create new file under the directives folder, name this new file as 'bgdirective.ts'



Step 6 – In the new file 'bgdirective.ts', write the logic to change background colour on mouse hover as shown below

Step 7 – Open app.module.ts file and import newly created directive in it

```
TS app.module.ts ●
rc > app > TS app.module.ts > 😭 AppModule
     import { BrowserModule } from '@angular/platform-browser';
      import { NgModule } from '@angular/core';
      import { FormsModule } from '@angular/forms'
      import { AppRoutingModule } from './app-routing.module';
      import { AppComponent } from './app.component';
      import { ProductComponent } from './product/product.component';
      import { SortPipe } from './pipes/sort.pipe';
import { DefaultColorOnEventDirective } from './directives/bgdirective';
      @NgModule({
        declarations: [
          AppComponent,
          SortPipe,
DefaultColorOnEventDirective,
         ProductComponent
        imports: [
          BrowserModule,
          FormsModule,
          AppRoutingModule
        providers: [],
        bootstrap: [AppComponent]
```

Step 8 - Open product.component.ts file and add custom directive to div tag as shown below

Step 09 - Run the Angular application by using command 'ng serve --open'

```
PS D:\Work\TapChief\Edureka\Angular8Demo\Module3\Demo1> ng serve --open
```

Step 10 – This will open our shopping list app with directive which changes background colour of products added to shopping cart as below.

