by Kunal Sir

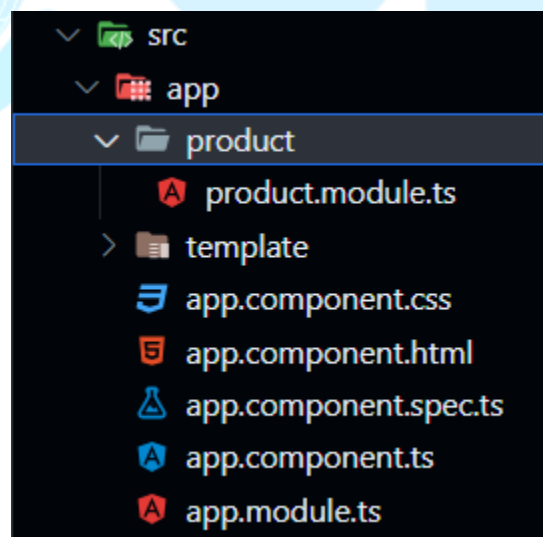## Custom   Module   &   Component

1. Create Module using command : **ng g m module_name**

      m :- module

```
PROBLEMS    OUTPUT    DEBUG CONSOLE    TERMINAL    PORTS

PS E:\Angular Workspace 2\First_App> ng g m product
CREATE src/app/product/product.module.ts (193 bytes)
PS E:\Angular Workspace 2\First_App>
```

◆ On the terminal we can see our module is created inside product directory (package) ,
same we can observe in explorer.

```
∨  src
  ∨  app
    ∨  product
          product.module.ts
    >  template
        app.component.css
        app.component.html
        app.component.spec.ts
        app.component.ts
        app.module.ts
```

Custom   Module   &   Component

2. We need to import our custom module (ProductModule) into parent module(AppModule).

```typescript
app.module.ts ✕

src > app > A app.module.ts > AppModule
   4    import { AppComponent } from './app.component';
   5    import { HeaderComponent } from './template/header/header.component';
   6    import { ProductModule } from './product/product.module';
   7
   8    @NgModule({
   9      declarations: [
  10        // This property is use to declare components,pipes and directive.
  11        AppComponent,
  12        HeaderComponent
  13      ],
  14      imports: [
  15        // Here we can import predefine as well as custom modules
  16        BrowserModule,ProductModule
  17      ],
  18      providers: [
  19        //We can import angular services here ( Not Mendatory )
  20      ],
  21      bootstrap: [AppComponent]
  22    })
  23    export class AppModule { }
  24
```

3. Create component (AddProduct) inside ProductModule: **ng g c product/AddProduct**

```
PROBLEMS    OUTPUT    DEBUG CONSOLE    TERMINAL    PORTS

● PS E:\Angular Workspace 2\First_App> ng g c product/AddProduct
  CREATE src/app/product/add-product/add-product.component.html (26 bytes)
  CREATE src/app/product/add-product/add-product.component.spec.ts (588 bytes)
  CREATE src/app/product/add-product/add-product.component.ts (221 bytes)
  CREATE src/app/product/add-product/add-product.component.css (0 bytes)
  UPDATE src/app/product/product.module.ts (295 bytes)
○ PS E:\Angular Workspace 2\First_App>
```
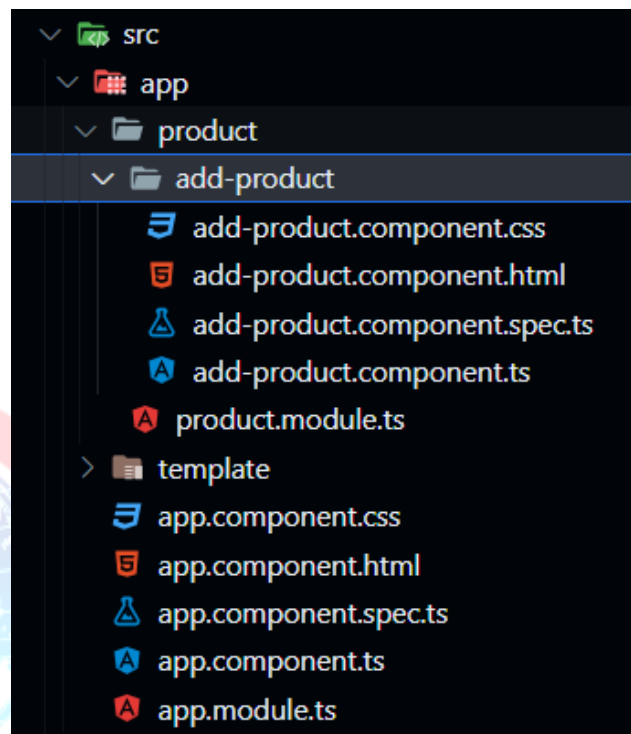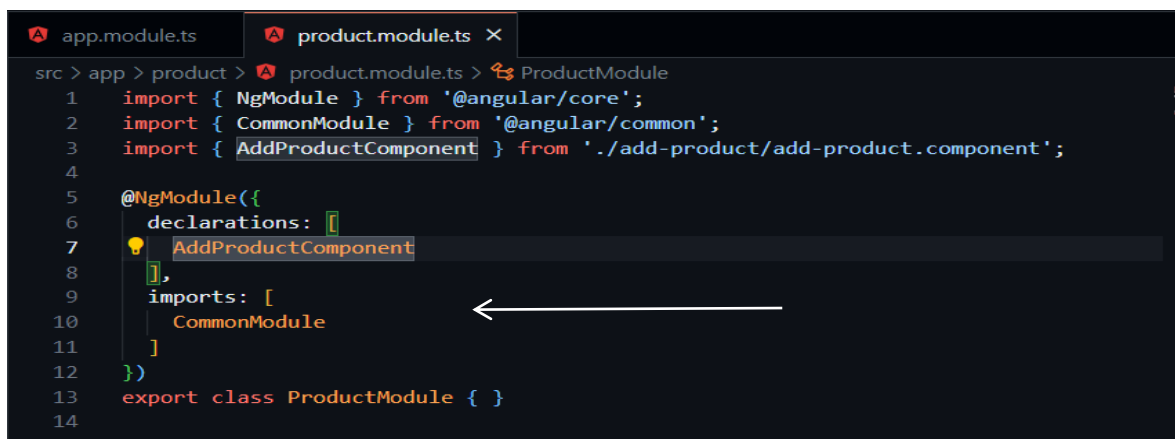
Custom   Module   &   Component

◆ We can see our component is created same we can observe in explorer.

◆ At same time , product.module.ts file is updated it means our component that is AddProductComponent is declared inside ProductModule.

4. Export this AddProductComponent from ProductModule as shown below.

```
app.module.ts        product.module.ts ×
src > app > product >  product.module.ts >  ProductModule
  1   import { NgModule } from '@angular/core';
  2   import { CommonModule } from '@angular/common';
  3   import { AddProductComponent } from './add-product/add-product.component';
  4
  5   @NgModule({
  6     declarations: [
  7       AddProductComponent
  8     ],
  9     imports: [
 10       CommonModule
 11     ],
 12     exports:[
 13       AddProductComponent          ←——————————
 14     ]
 15   })
 16   export class ProductModule { }
 17
```

5. Copy the selector of AddProductComponent .

```
app.module.ts        product.module.ts        add-product.component.ts ×
src > app > product > add-product >  add-product.component.ts > ...
  1   import { Component } from '@angular/core';
  2
  3   @Component({
  4     selector: 'app-add-product',          ←——————————
  5     templateUrl: './add-product.component.html',
  6     styleUrls: ['./add-product.component.css']
  7   })
  8   export class AddProductComponent {
  9
 10   }
 11
```

6. Paste it in app.component.html in tag format.

7. Check the output on browser window.

8. Now, create Viewproduct , ProductDiscription , ManageProduct , components inside ProductModule.

   Export them from ProductModule also add the selectors into **app.component.html** .

9. Your output should look like below browser window have.