

Lesson 02 Demo 03

Using ngFor and ngIf

Objective: To use ngFor and ngIf in Angular

Tools required: Visual Studio Code

Prerequisites: JavaScript

Steps to be followed:

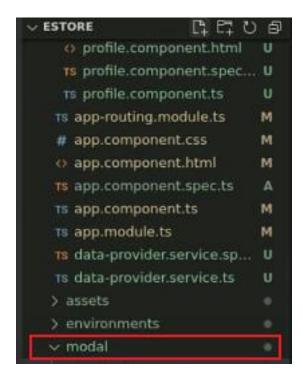
1. Create a structure of the Product objects

2. Create a list of products in the service

- 3. Use ngFor to display products
- 4. Use nglf in the div tag

Step 1: Create a structure of the Product objects

1.1 Create a new folder by the name of modal in the src folder





1.2 Create a file product.ts in the modal folder and create an export class in it

```
File Edit Selection View Go Run Terminal Help
           EXPLORER
                                                            TS product ts U X
D
                                                             src > modal > Ts product(s) > Product

pid: number;
name: string;
price: number;
ratings: number;

constructor(pid: numb
this.pid = pid;
this.nrice = price
this.ratings = re

this.ratings = re

}
             TS profile.component.ts U
TS app-routing.module.ts M
# app.component.css M
             TS app.component.spec.ts A
TS app.component.ts M
                                                                             constructor(pid: number, name: string, price: number, ratings: number){
                                                                                    this.name = name;
                                                                                    this.price = price;
             18 data-provider.service.sp... U
18 data-provider.service.ts U
                                                                                    this.ratings = ratings;
                                                                              showPrduct(){
                                                                                    console.log("[Product]: "+this.pid+" "+this.name+" "+this.price+" "+this.ratings);
             ★ favicon.ico
                                                               19
```

1.3 Generate a **products** service by using the following command:

ng g s products

```
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```

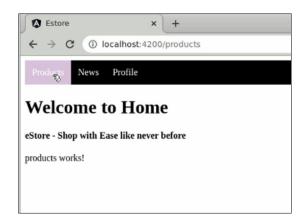


Step 2: Create a list of products in the service

2.1 Create an array of Product objects

2.2 Inject products service in products.component.ts

2.3 Rerun the project

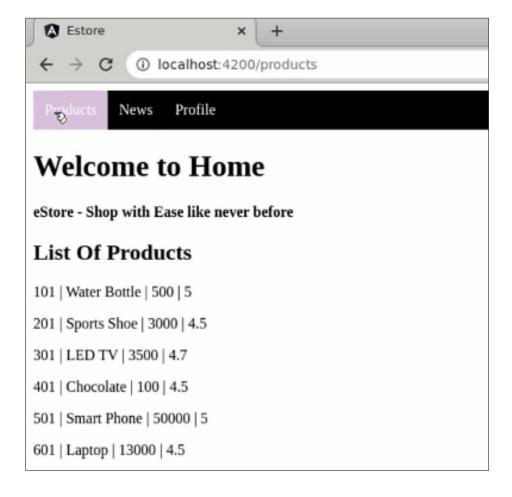




Step 3: Use ngFor to display products

3.1 Use ngFor in the products.component.html to display products on the products page

3.2 Rerun the project





Step 4: Use nglf in the div tag

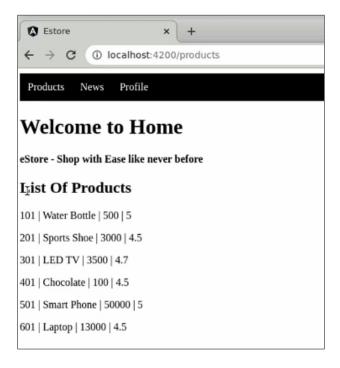
4.1 Create a variable showProducts in products.component.ts with a true value

```
TS product.ts U
                 Ts products service ts U
                                           TS products.component.ts U X
                                                                        o produ
src > app > products > \tau s products.component.ts > \tau s ProductsComponent > \tau s showProducts
       import { Component, OnInit } from '@angular/core';
       import { ProductsService } from '../products.service';
      @Component({
         selector: 'app-products',
         templateUrl: './products.component.html',
         styleUrls: ['./products.component.css']
       })
       export class ProductsComponent implements OnInit {
         constructor(private productsService: ProductsService) { }
 11
 12
 13
         products = this.productsService.getProducts();
 14
         showProducts = true;
         ngOnInit(): void {
```

4.2 Create a div tag in products.component.html with nglf



4.3 Rerun the project



4.4 Change the value of the **showProducts** variable in **products.component.ts** to **false**

```
TS product ts U
                 TS products.service.ts U
                                          TS products.component.ts U X O products
src > app > products > 18 products.component.ts > 😭 ProductsComponent > 🔑 showProducts
      import { Component, OnInit } from '@angular/core';
      import { ProductsService } from '../products.service';
      @Component({
        selector: 'app-products',
        templateUrl: './products.component.html',
        styleUrls: ['./products.component.css']
      export class ProductsComponent implements OnInit {
         constructor(private productsService: ProductsService) { }
       Products = this.productsSegvice.getProducts();
        showProducts = false;
 14
        ngOnInit(): void {
```



4.5 Rerun the project

