

Angular notes

To create new project

ng new projectName

To run

ng serve

Filter

```
let item=food.filter((f)=>f=='apple')
```

same as the for loop check for the apple on an array

Map

```
let newNum =num.map(f)=>f*4
```

To create a new component

ng g c componentName

This will create a new component. Suppose we need to add the newly created component into an existing component

Here, g for generate and c for component.

What all things are usually done using component?

1. The code which is to be reused (eg. navbar)
2. Every new pages should be done in different component.

To add

import this in app.component file

Function

button click....

```
<button class="button-64"
(click)="handleClick()">Approve</button>
```

Bidirectional data binding

This is bidirectional input and output.

->**NgModel**

on html file

```
<div class="container py-5">
<label for="">Email</label>
<input type="text" [(ngModel)]="email" name="Hello">
</div>
```

on typescript file

```
email: string = ""
```

For loop

In card.components .html

```
@for (item of pdts; track $index) {
  < - - Write code - - >
}
```

In card.components.ts

```
pdts: any = [
{
```

```
}  
]
```

Data

<https://fakestoreapi.com/products>

Importing data from the above site.

1. First create api

ng g s api

2. In app.config.ts, inside providers paste this:

provideHttpClient()

-then hover on it and press quick fix, this will bring import file code above.

3. In api.service.ts. copy it :

```
constructor(private http: HttpClient) { }  
  getData() {  
    return  
this.http.get("https://fakestoreapi.com/products")  
  }  
}
```

4. ngOnInit() is a function which is used to get the data when the site loads....

Slice in angular

This is used to show some number of words and the rest of the words will be "..."

To use this import slicepipe, go to component.ts

```
imports: [SlicePipe],
```

Here we specify number of words

```
<p class="card-text">{{item.description | slice:0:200}}...</p>
```

Routing

Inside app.routes.ts :

1. Define route for each component. Copy the below code inside the export {}

```
    {path: '', component: HomeComponent},  
    {path: 'contact',  
component: ContactComponent}  
    {path: '**',  
component: NotFoundComponent}
```

2. Inside app.component.html:

```
<router-outlet></router-outlet>
```

Image importing in angular

The image must be placed inside the asset folder.

inside asset folder create a new folder images and here paste your image inside the images folder.

Atlast map this address in the src of the tag.

3. Also in the nav bar instead of href use routerLink

4. In nav.component.ts import routerLink

Routing when i product is clickedand new window pops up detailing the product

```
{path: 'product/:id', component: SingleComponent}
```

Suppose we need to route to a new page when the card is clicked.

1. In app.routes.ts,

```
    { path: 'deals', component:
DealsComponent },           //This is already present deals page.
                             This page is used to show the cards of different product.
    { path: 'deals/:id', component:
SinglePageComponent }
```

2. In singlePage.component.ts

```
export class SinglePageComponent {
  constructor(private routeId: ActivatedRoute,
private api: ApiService) { }

  data: any = []
  rating: number = 0

  ngOnInit() {
    this.api.getData().subscribe((res: any) =>
{
    let id =
this.routeId.snapshot.paramMap.get('id')

    let response = res
    let product = response.filter((e: any) =>
e.id == id)

    this.data = product[0]
  })
}
```

3. In singlepage.component.html. We can access the currently pressed card by using

4. In the card , inorder to open new tab when clicked use routerLink

```
<div class="card"  
style="width: 18rem;" routerLink="{{item.id}}">
```