**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**](https://fakestoreapi.com/products)

**Importrng 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 angile

This is used to show some number of words and the rest of the words wil 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 <img> tag.**

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

4. In nav.component.ts import routerLink

**Routing when i product is clicked ……and new window pops up detailing the product**

**{path: ‘product/:id’, component:SingleComponent}**

**Supose 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**

**<img src="{{data.image}}" alt="">**

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

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