Service layer or class

If we write any simple or complex business logic in component

That logic consider as local to that component which we can

Access within that component or that component html page

But we need to logic must global for more than one component

Then we need to use service class.

Html component loginService

Tdf login page ----------------🡪 .ts

business logic

Mdf login page -----------------🡪 .ts

View Component Model

Controller

MVC : Model View controller

In every component we are creating object of service class using new keyword. Because

Service is normal type script class not an angular service class. But in angular we are not creating

Object of component class because component is a type of special class with decorator

@Component.

If we want to create object of service class by container then we need to write a class

With decorator as @Injectable.

Now we need to provide service class details in app.module.ts file in provider section.

In every component base upon requirement, we need to pull the object from a container using constructor with DI (dependency injection).

constructor(public loginService:LoginService) {  }

flow of the application

html or view ------------🡪 component .ts ----------🡪 service .ts

Angular provided pre defined service class ie HttpClient.

Using HttpClient service we can call backend technologies Rest full web service.

REST (Representation State Transfer).

REST API

In Rest API we can consume and produce data in the form of JSON.

Frontend REST API backend

Java

Python

Node js

Using HttpClient we can consume Rest API develop in any language.

ng new angular-fake-service

routing 🡪 no

css 🡪 styling

cd angular-fake-service

ng g c product product component

ng g s product product service

ng g class product model class (this class map to json data retrieve from rest api)