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ng new angular-service

pre-defined service : Angular provided pre-defined API ie HttpClient which help to call Backend technologies service develop in any language.

So we have to do the DI for HttpClient in user-defined service class. HttpClient pre-defined API part of HttpClientModule. So we have to import HttpClientModule in app.module.ts file in import section.

HttpClient api provide set of method which help to call backend technologies service like get, post, put and delete etc.

HttpClient is like a fetch() function which we learn in JavaScript.

Fetch() function return type is promise object. if return type of promise we have to use then and catch. Then if loaded successfully if any error catch will call.

HttpClient all method return type of Observable.

Observable is a part of rxjs (reactive Programming using JS or any other language).

Observable is use to handle the asynchronous event of data.

Promise can’t be cancel and it load all data at time.

Observable can be cancel unsubscribe method. and it load the data one by one.

If it return Observable we have to use subscribe to load the data.

Subscribe method take 3 parameter

1st : next : it is use to load the data one by one

2nd error : it any error generated at beginning or middle or end it will call automatically.

3rd completed : if data loaded successfully without any error then third parameter get called.

Backend technologies providing us product REST API

More than one products.

We can store the product, retrieve the product, delete product and we can update the products.

Retrieve all product details in angular using HttpClient.

In Frontend side we have to create

Component --🡪 Product component : ng g c product

Service --🡪 Product service : ng g s product

Model -🡪 class or interface (it is use to map the json data retrieve from backend technologies)

: ng g interface product

Web Service : Giving service for web application when both the application running using different technologies.

SBI HDFC

Java Asp.net

XML/JSON