**Ng g service First**

import { Injectable } from '@angular/core';

@Injectable({

providedIn: 'root'

})

export class HelloService {

constructor() { }

Hello(name : string) : string

{

return "Hello " + name;

}

}

Calling this Service

App.comp.ts

import { Component } from '@angular/core';

import {HelloService} from './hello.service';

@Component({

selector: 'app-root',

templateUrl: './app.component.html',

styleUrls: ['./app.component.css']

})

export class AppComponent {

msg : string;

name : string;

constructor(private hello\_service : HelloService)

{

}

CallingService()

{

this.msg = this.hello\_service.Hello(this.name);

}

}

In Html

<input type="text" [(ngModel)] = "name"/>

<button (click) = "CallingService()"> Call </button>

Hi {{ msg }}

Product Service

import { Injectable, OnInit } from '@angular/core';

import { Product } from './product';

import { getLocaleDayPeriods } from '@angular/common';

@Injectable({

providedIn: 'root'

})

export class GetProductsService {

constructor() { }

products: Product[];

LoadProducts()

{

this.products = [

{productID: 10 ,name : "Mouse" , price : 1000},

{productID: 11 ,name : "Plotter" , price : 1000},

{productID: 12 ,name : "Scanner" , price : 1000},

{productID: 13 ,name : "Printer" , price : 1000},

{productID: 14 ,name : "Monitor" , price : 1000}

];

}

GetProducts() : Product[]

{

console.log("B");

this.LoadProducts();

console.log("L is "+ this.products.length);

return this.products;

}

name : string;

prod : Product;

GetProductById(id : number) : Product

{

let products= this.GetProducts();

console.log(id);

console.log(products.length);

this.prod= this.products.find(i=> i.productID == id);

console.log("AAA"+ this.prod);

return this.prod;

}

Insert(product : Product)

{

let products= this.GetProducts();

this.products.push(product);

alert(this.products.length);

}

}

App.Comp

import { Component, OnInit } from '@angular/core';

import {HelloService} from './hello.service';

import { GetProductsService } from './products.service';

import { Product } from './product';

@Component({

selector: 'app-root',

templateUrl: './app.component.html',

styleUrls: ['./app.component.css']

})

export class AppComponent implements OnInit{

msg : string;

name : string;

products : Product[];

product : Product;

constructor(private hello\_service : HelloService, private prodService : GetProductsService)

{

}

ngOnInit()

{

this. GetProducts();

console.log("INIT");

this.GetProduct(11);

this.Insert(1,'Sheets',10);

this. GetProducts();

}

CallingService()

{

this.msg = this.hello\_service.Hello(this.name);

}

GetProducts()

{

console.log("In A");

this.products = this.prodService.GetProducts();

//return this.products;

}

GetProduct(id : number)

{

this.product = this.prodService.GetProductById(id);

//return this.product;

}

Insert(id: number , name : string, price : number)

{

this.product = { productID: id, name : name , price: price};

this.prodService.Insert(this.product);

}

}

App.comp.html

<!-- <input type="text" [(ngModel)] = "name"/>

<button (click) = "CallingService()"> Call </button>

Hi {{ msg}}

-->

<h1>Product List</h1>

<div class='table-responsive'>

<table class='table'>

<thead>

<tr>

<th>ID</th>

<th>Name</th>

<th>Price</th>

</tr>

</thead>

<tbody>

<tr \*ngFor="let product of products;">

<td>{{product.productID}}</td>

<td><a [routerLink]="['/productdetails',product.productID]">{{product.name}} </a> </td>

<td>{{product.price}}</td>

</tr>

</tbody>

</table>

</div>

<div>

HEEEEE {{product.name}}

</div>