**Day-4-Handson-session-1 Sai Kumaravelu A.T.**

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**1)Component Interaction - Create Component and Display Employee List**

**emp-info.component.ts**

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

import { ActivatedRoute } from '@angular/router';

@Component({

selector: 'app-emp-info',

templateUrl: './emp-info.component.html'

})

export class EmpInfoComponent {

empObj :any={};

@Input() employee = [{id:1, name:"John", salary:5000, permanent:true, department:[{id:3, name:"Payroll"}],skills:[{id:1, name:"HTML"}] },

{id:2, name:"Smith", salary:10000, permanent:true, department:[{id:6, name:"Internal"}],skills:[{id:2, name:"JAVA"}] },

{id:3, name:"Mary", salary:55000, permanent:true, department:[{id:2, name:"Lead"}],skills:[{id:1, name:"HTML"}] },

{id:4, name:"Sandy", salary:15000, permanent:true, department:[{id:3, name:"Payroll"}],skills:[{id:3, name:"CSS"}] },

{id:5, name:"Martin", salary:20000, permanent:true, department:[{id:2, name:"Lead"}],skills:[{id:1, name:"HTML"}] }

]

constructor(private route:ActivatedRoute)

{

let eno = this.route.snapshot.params["id"];

this.empObj = this.employee.find( item => item.id == eno );

}

}

interface Department{

id:number;

name:string;

}

interface Skill{

id:number;

name:string;

}

interface Employee extends Department, Skill{

id:number;

name:string;

salary:number;

permanent:boolean;

department:Department[];

skills:Skill[];

}

emp-info.component.html

<h2>Employee Details</h2>

<div class="cardblock">

<br>

Name : {{empObj.name}}

<br>

<br>

Salary : {{empObj.salary | currency : "INR"}}

<br>

<br>

Permanent : {{empObj.permanent}}

<br>

<br>

<a class="editLink" [routerLink]="['/edit-emp-reactive',empObj.id]">Edit</a>

</div>

employee-list.component.html

<h3>Employee List</h3>

<div style="margin: 20px;">

Search &nbsp;

<input type="text" placeholder="Find by name" [(ngModel)]="searchKey" (input)="Search()">

</div>

<div class="row">

<div class="container" \*ngFor="let emp of employeeList">

<div class="column" style="padding:5px;">

<div class="cardblock" style="width: 18rem;border: 2px solid #000000;border-color:#0645AD;padding:5px;">

<span style="font-size: 30px;">{{emp.name}}</span>

<span style="float:right ;"> <a style="color: red;" [routerLink]="['/emp-info',emp.id]">emp-info</a></span>

<br>

{{emp.salary | currency : "INR"}}<br>

<a class="editLink" [routerLink]="['/edit-emp-reactive',emp.id]">Edit</a>

</div>

</div>

</div>

</div>

employee-list.component.ts

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

import { ActivatedRoute } from "@angular/router";

@Component({

selector: 'app-employee-list',

templateUrl: './employee-list.component.html'

})

export class EmployeeListComponent implements OnInit{

employeeList:Employee[]=[];

ngOnInit(){

this.employeeList = [{id:1, name:"John", salary:5000, permanent:true, department:[{id:3, name:"Payroll"}],skills:[{id:1, name:"HTML"}] },

{id:2, name:"Smith", salary:10000, permanent:true, department:[{id:6, name:"Internal"}],skills:[{id:2, name:"JAVA"}] },

{id:3, name:"Mary", salary:55000, permanent:true, department:[{id:2, name:"Lead"}],skills:[{id:1, name:"HTML"}] },

{id:4, name:"Sandy", salary:15000, permanent:true, department:[{id:3, name:"Payroll"}],skills:[{id:3, name:"CSS"}] },

{id:5, name:"Martin", salary:20000, permanent:true, department:[{id:2, name:"Lead"}],skills:[{id:1, name:"HTML"}] }

]

}

public searchKey:string="";

Search()

{

if(this.searchKey != "")

{

this.employeeList = this.employeeList.filter(res=>{

return res.name.toLocaleLowerCase().match(this.searchKey.toLocaleLowerCase());

});

}

else if(this.searchKey == "")

{

this.ngOnInit();

}

}

}

interface Department{

id:number;

name:string;

}

interface Skill{

id:number;

name:string;

}

interface Employee extends Department, Skill{

id:number;

name:string;

salary:number;

permanent:boolean;

department:Department[];

skills:Skill[];

}

app.module.ts

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

import { BrowserModule } from '@angular/platform-browser';

import { AppRoutingModule } from './app-routing.module';

import { AppComponent } from './app.component';

import { ViewempsComponent } from './viewemps/viewemps.component';

import { EditEmpReactiveComponent } from './editemp/edit-emp-reactive.component';

import { EmployeeListComponent } from './employee-list/employee-list.component';

import { EmpInfoComponent } from './emp-info/emp-info.component';

import {Routes,RouterModule} from '@angular/router'

import { viewClassName } from '@angular/compiler';

import { QuantityIncrementComponent } from './quantity-increment/quantity-increment.component';

import { FormsModule, ReactiveFormsModule } from '@angular/forms';

const appRoutes:Routes=[{path:"" , component:ViewempsComponent},

{path:"EditEmployees" ,

component:EditEmpReactiveComponent},{path:"QuantityIncrement",component:QuantityIncrementComponent},

{ path: 'edit-emp-reactive/:id', component: EmployeeListComponent}]

@NgModule({

declarations: [

AppComponent,

ViewempsComponent,

EmployeeListComponent,

EmpInfoComponent,

EditEmpReactiveComponent,

QuantityIncrementComponent,

],

imports: [

FormsModule,

BrowserModule,

AppRoutingModule,

ReactiveFormsModule,

RouterModule.forRoot(appRoutes)

],

providers: [],

bootstrap: [AppComponent]

})

export class AppModule { }

**Output:**