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**Day-4-Handson-session-1**

**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:**

