**INTCDE21ID008**

**STAGE-3**

**916398 – SAAHIL TOMAR**

**Day 71 –** Angular

Hands-On:

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:**

