**Lesson27 Apply Multiple routing in angular**

**Notes:-**

**\*To apply multiple routing in angular we do the following:-**

**1-we create EmpRoutingModule.ts that contain the employee components**

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

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

import { EmpEntryCompComponent } from './emp-entry-comp/emp-entry-comp.component';

import { EmpLstCompComponent } from './emp-lst-comp/emp-lst-comp.component';

const routes: Routes = [

{ path: 'list', component: EmpLstCompComponent },

{ path: 'create', component: EmpEntryCompComponent },

{ path: 'edit/:id', component: EmpEntryCompComponent },

{ path: '', redirectTo: '/list', pathMatch: 'full' }]

// wild card route

@NgModule({

imports: [RouterModule.forChild(routes)],

exports: [RouterModule]})

export class EmpRoutingModule { }

**What is the difference between the forChild and forRoot ?**

forRoot() method registers the specified routes. It also creates an instance of the Router service and registers it with the angular's dependency injector.  
  
forChild() method on the other hand only registers the additional specified routes and tells angular to reuse the Router service instance that forRoot has created.

**2-In the EmployeeModule.ts we import EmpRoutingModule inside it**

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

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

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

import {EmpEntryCompComponent} from './emp-entry-comp/emp-entry-comp.component';

import {EmpLstCompComponent} from './emp-lst-comp/emp-lst-comp.component';

import { EmpRoutingModule } from './emp-routing-module';

@NgModule({

imports: [

CommonModule,

ReactiveFormsModule],

declarations:[

EmpEntryCompComponent,

EmpLstCompComponent],

exports: [

EmpEntryCompComponent,

ReactiveFormsModule,

//we import the child routing inside the feature module

EmpRoutingModule]})

export class EmployeeModule { }

**3-In the app.module we have to make sure that we import the feature module before import the AppRoutingModule**

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

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

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

import { HttpClientModule } from '@angular/common/http';

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

import { EmpServiceService } from './Services/emp-service.service';

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

import { MenuCompComponent } from './components/menu-comp/menu-comp.component';

import { PageNotFoundCompComponent } from './components/page-not-found-comp/page-not-found-comp.component';

import { EmployeeModule } from './components/Employee/employee.module';

import { HomeComponentComponent } from './components/MainComponent/home-component/home-component.component';

@NgModule({

declarations: [

AppComponent,

MenuCompComponent,

PageNotFoundCompComponent,

HomeComponentComponent],

imports: [

BrowserModule,

FormsModule,

ReactiveFormsModule,

HttpClientModule,

//We import all the feature modules before the AppRoutingModule

EmployeeModule,

AppRoutingModule],

providers: [EmpServiceService],

bootstrap: [AppComponent]})

export class AppModule { }

**4-In the app\_routing\_module.ts we write the following code**

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

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

import { PageNotFoundCompComponent } from './components/page-not-found-comp/page-not-found-comp.component';

import { HomeComponentComponent } from './components/MainComponent/home-component/home-component.component';

const routes: Routes = [

{ path: 'home', component: HomeComponentComponent },

{ path: '', redirectTo: '/home', pathMatch: 'full' }//,

{ path: '\*\*', component: PageNotFoundCompComponent }

];

@NgModule({

imports: [RouterModule.forRoot(routes)],

exports: [RouterModule]})

export class AppRoutingModule { }