**Lesson11 Angular Loop through all form controls in form group in reactive form**

**Notes:-**

**1-understanding Looping through all form controls**

**A-Reset form controls**

**B-Enable or disable all form controls or just the nested form group controls**

**C-Set validators and clear validators**

**D-Mark form controls as dirty, touched, untouched, pristine etc.**

**E-Move validation messages and the logic to show and hide them into the component class from the view template**

<div class="panel-footer">

<button class="btn btn-primary" type="submit">Save</button>

<button class="btn btn-primary" type="button" (click)="onLoadDataClick()">Load Data</button>

</div>

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

**// Import FormGroup and FormControl classes**

**import { FormGroup, FormControl,FormBuilder, Validators } from '@angular/forms';**

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

**@Component({**

**selector: 'app-employee-react-comp',**

**templateUrl: './employee-react-comp.component.html',**

**styleUrls: ['./employee-react-comp.component.css']})**

**export class EmployeeReactCompComponent implements OnInit {**

**empForm:FormGroup;**

**constructor(private fb:FormBuilder) { }**

**ngOnInit() {**

**this.empForm = this.fb.group({**

**FullName : ['',[Validators.required,Validators.minLength(2),Validators.maxLength(10)]],**

**Email : [''],**

**skills : this.fb.group({**

**skillName: ['C#'],**

**experienceInYears:[''],**

**proficiency:['beginner']})})**

**//we can apply the form control FullName with event valueChanges**

**//that called with subscribe becouse it's Observable**

**this.empForm.get('FullName').valueChanges.subscribe(**

**value => {**

**console.log('Form Control Value = '+value);});**

**//we can apply the form group with event valueChanges**

**//that called with subscribe becouse it's Observable**

**this.empForm.valueChanges.subscribe(**

**value => {**

**console.log('Form Group Values = '+JSON.stringify(value));});}**

**onSubmit(): void {console.log(this.empForm.value);}**

**loadControls(frm:FormGroup){**

**//we make for each loop that take each control inside variable and then check if the control is form group else it will write it’s value and text**

**Object.keys(frm.controls).forEach(key =>{**

**var abstractobj = frm.get(key);**

**if(abstractobj instanceof FormGroup){this.loadControls(abstractobj);}**

**else{console.log("value = "+abstractobj.value+" , Key = "+key)}})}**

**onLoadDataClick(): void {**

**this.loadControls(this.empForm);**

**}}**