**Lesson02 Custom Disabled Directive**

**Steps:-**

**1-on the custom Directive we write the following code**

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

import { DynamicControlService } from '../services/dynamic-control.service';

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

@Directive({

selector: '[appDisable]'})

export class DisableDirective {

//we declare Input variable that receive required parameter and set //validation for that control to be disabled or not

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//we see that if we want to make only 1 input parameter we set the //selector, name the same of the input variable and use it in the html //page without needing of calling selector only call the input variable

@Input() set appDisable(disable: any) {

if (this.dcs.convertToBoolean(disable) == true) {

this.ngControl.control.disable();}

else {this.ngControl.control.enable();}}

//1-we use NgControl to make update for the control of reactive form type

//2-Self is parameter decorator to be used on constructor parameters, //which tells the DI framework to start dependency resolution from the //local injector.

constructor(@Self() private ngControl: NgControl, private dcs: DynamicControlService) {}}

**2-on the DynamicControlService.ts we put the following code**

convertToBoolean(value: any) {

if (value == 'false' || value == false) {return false;}

else if (value == 'true' || value == true) {return true;}

else if (!isNaN(value)) {return Number(value) == 1 ? true : false;}

else {return value;}}

**3-on the html page we**

<div class="form-group editor-control" [ngClass]="{'col-md-3': control.width ==1 ,'col-md-6': control.width==2, 'col-md-9':control.width==3,'col-md-12':control.width==4 }">

<div [formGroup]="form" class="prime-form-control">

<span class="ui-float-label">

<p-calendar [id]="control.key"

[name]="control.key"

[placeholder]="control.placeholder"

[formControlName]="control.key"

[required]="control.required"

[defaultDate]="control.defaultDate"

[minDate]="control.minDate"

[maxDate]="control.maxDate"

[selectionMode]="control.selectionMode"

[dateFormat]="control.dateFormat"

[showTime]="control.showTime"

[hourFormat]="control.hourFormat"

[timeOnly]="control.timeOnly"

[showIcon]="control.showIcon"

[showButtonBar]="control.showButtonBar"

//we call the appDisable attribute for the calendar control

[appDisable]="control.disabled"></p-calendar>

<label [attr.for]="control.key" class="component-label">{{control.name}}</label>

</span>

</div>

</div>