**NG-DISABLED**

* AngularJS ng-disabled is an In-Built AngularJS directive that is used in the HTML view for disabling HTML elements such as input, select, button, etc. on a conditional basis by evaluating the expression defined in the ng-disabled directive.
* This directive comes into usage whenever the developer needs to add a disabled attribute in the HTML element but on some conditional basis or based on some criteria.
* If the expression inside ng-disabled evaluates to be TRUE then disabled attribute is added to that HTML element and if not, then nothing is added.
* The way ng-disabled directive works are as soon as the HTML view come across ng-disabled directive declared in HTML elements, it evaluates the expression and if the value returned is TRUE then the disabled attribute is added to the same HTML element which disables that element.

**SYNTAX:**

There are various ways to write ng-disabled directive with different HTML Tags**.**

**Using ng-disabled with Select Type**

<select ng-disabled="conditionalDisabling" ng-options="reason as reason. desc for reason in reasonsList"></select>

**Using ng-disabled with Button Type**

<button ng-model="modelValue" type="text" ng-disabled="conditionalDisabling">

**Using ng-disabled with div/span**

<div ngdisabled="conditionalDisabling" ngclick="onClickOperation"> Update

Request </div>

* The ng-disabled attribute directive accepts any conditional binary or ternary expression as the value as well as it accepts any method call which is defined inside the controller and the controller can handle as per requirements and return a Boolean response.
* Using ng-disabled directive when the model value changes and expression inside ng-disabled uses model value then ng-disabled will get executed and update the disabled attribute accordingly Ng-disabled directive is executed at priority level 100 and as disabled attribute has few limitations as well in terms of interpolation that’s the reason ng-disabled came into the picture.

<label>Click me to toggle: <input type="checkbox" ng-model="checked"></label>

<br/>

<button ng-model="button" ng-disabled="checked">Button</button>

**Examples:**

**JS Code:**

var app = angular.module('disablingApp', []);

app.controller('disablingCtrl', function($scope) {

});

**HTML Code:**

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta http-equiv="X-UA-Compatible" content="IE=edge">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Document</title>

    <script src="https://ajax.googleapis.com/ajax/libs/angularjs/1.8.2/angular.min.js"></script>

<script src="script.js"></script>

</head>

<body ng-app="disablingApp" ng-controller="disablingCtrl">

    <h2>Billing Portal</h2>

<input type="checkbox" ng-model="mainCheckbox">Get the invoice

details !!</input> <br> <br>

    <input type="checkbox" ng-model="printCheckBox" ng-disabled="!mainCheckbox"> Print

Bill </input>  <br>

    <input type="checkbox" ng-model="emailCardCheckBox" ng-disabled="!mainCheckbox"> Email Bill </input>

    </body>

</html>

**2.JS Code:**

var app = angular.module('disablingApp', []);

app.controller('disablingCtrl', function($scope) {

$scope.colors = [

{'key': 'Black', 'value': 'black'},

{'key': 'Red', 'value': 'red'},

{'key': 'Blue', 'value': 'blue'},

{'key': 'Light blue', 'value': 'cyan'},

{'key': 'Green', 'value': 'green'}];

});

**HTML Code:**

<!DOCTYPE html>

<html>

<head>

<script src="https://ajax.googleapis.com/ajax/libs/angularjs/1.3.15/angular.min.js"></script>

<script src="script1.js"></script>

</head>

<body ng-app="disablingApp" ng-controller="disablingCtrl">

<input type="checkbox" ng-model="allOptions">Select Checkbox to

disable dropdown and button <br><br>

<select ng-options="color.key for color in colors" ng-model="selectedColor"

ng-disabled="allOptions">

</select><br><br>

<input type="submit" ng-disabled="allOptions"/>

</div>

</body>

</html>