ng-disabled DIRECTIVE IN ANGULARJS

- The **ng-disabled directive** in AngularJS used to set the disabled attribute of a form field of input, textarea and select elements.

- It is supported by **<input>, <textarea> and <select>** elements.

- If the expression inside the **ng-disabled** attribute returns the true value then form fields (input, select and textarea) will be disabled.

- The ng-disabled directive is necessary to move the value between true and false.

- In HTML, we cannot set the disabled attribute value to false (The presence of disabled attribute makes the element value is disabled)

- This directive executes at priority level 100.

Syntax for ng-disabled directive in AngularJS:

```
<element ng-disabled="expression" ></element>
```

Parameter Values:

Value	Description
expression	Denotes an angular expression that will set the element's disabled attribute if it returns true.

Sample coding for ng-disabled directive in AngularJS:

```html
<! DOCTYPE html>
<html>
    <head>
        <title>Wikitechy AngularJS Tutorials</title>
        <script
src="https://ajax.googleapis.com/ajax/libs/angularjs/1.5.6/angular.min.js">
        </script>
    </head>
    <body>
        <div ng-app="myApp" ng-controller="disabledCtrl">
            <h3>ng-disabled directive in AngularJS Tutorial</h3>
            Enter the text:<input type="text" ng-disabled="value"><br/><br/>
            <button ng-click="value = !value"> Disable Text box</button>
            <p>Click here toggle to make the input field is disabled or not </p>
        </div>
        <script>
            var App = angular.module('myApp', [] );
            App.controller('disabledCtrl', function($scope) {
                $scope.value = false;
            });
        </script>
    </body>
</html>
```

Code Explanation for ng-disabled directive in AngularJS:

```html
<!DOCTYPE html>
<html>
    <head>
        <title>Wikitechy AngularJS Tutorials</title>
        <script src="https://ajax.googleapis.com/ajax/libs/angularjs/
        1.5.6/angular.min.js"></script>
    </head>
    <body>
        <div ng-app="myApp" ng-controller="disabledCtrl">
            <h3>ng-disabled directive in AngularJS Tutorial</h3>

            Enter the text:<input type="text" ng-disabled="value"><br/><br/>
            <button ng-click="value = !value"> Disable Text box</button>

            <p>Click here toggle to make the input field is disabled or not </p>
        </div>
        <script>
            var App = angular.module('myApp', [] );
            App.controller('disabledCtrl', function($scope) {
                $scope.value = false;
            });
        </script>
    </body>
</html>
```
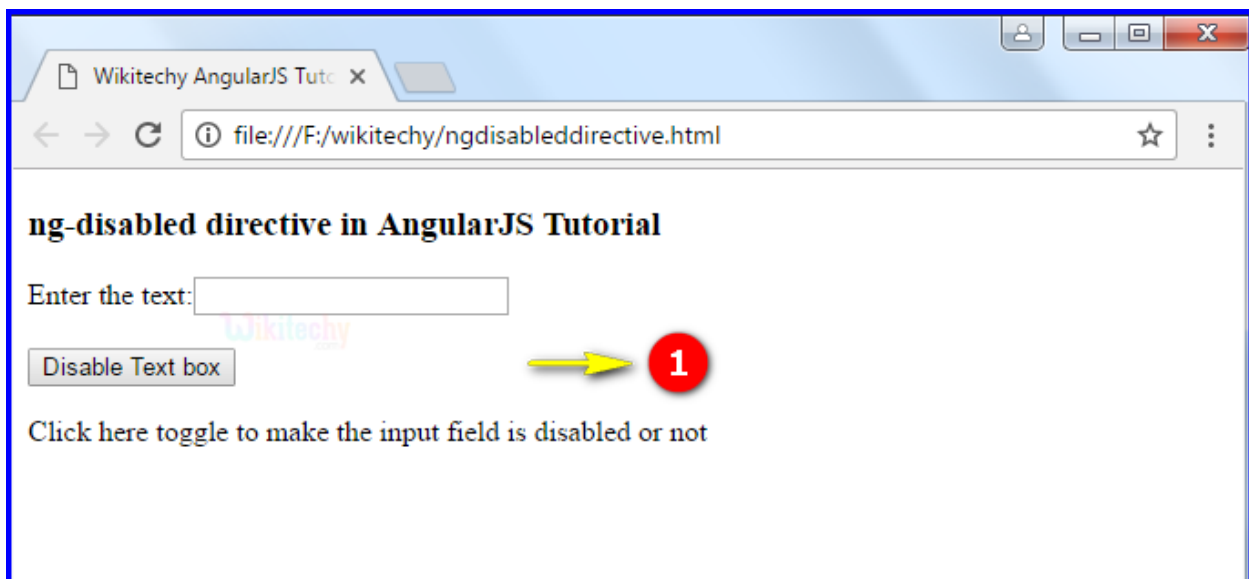
1. The **ng-app** specifies the root element ("myApp") to define AngularJS application.

2. The **ng-controller** controls the data of **"disabledCtrl"** in AngularJS application.

3. The **"text"** is declare the **type** value of the <input> tag.

4. The ng-disabled directive is used for set the disabled attribute of an input field. Here **"value"** is declare the type value of <input> tag.

5. **<button>** tag is used to create a button element for **"Disable Text box".**

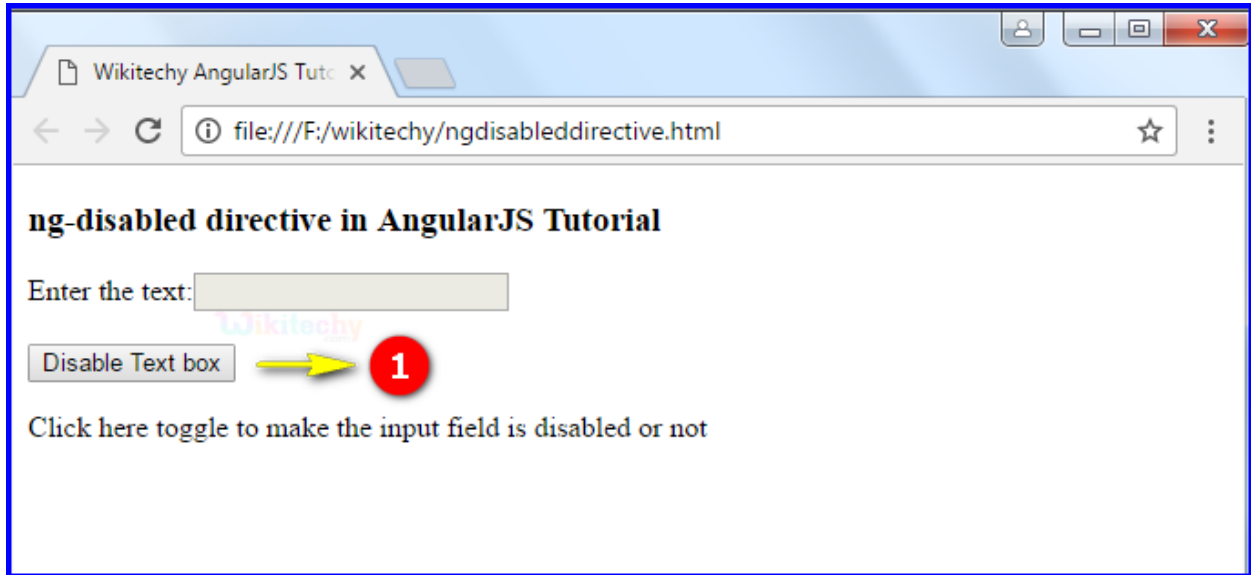6. The ng-click directive in AngularJS is used for when an element is clicked.

Here the "value=!value" is given the value of ng-click. If the value is enabled, it returns false otherwise true.

7. **$scope.value** is used to declare the scope object as false.

Sample Output for ng-disabled directive in AngularJS:

1. The input field is displayed in the output with Disabled Text box button.

1. If the user click the Disable Text box button, then the input field is disabled.