



ng-change DIRECTIVE IN ANGULARJS

- ng-change directive is used to specify the custom behavior that execute when you change the value of an HTML element.
- The **ng-change** directive requires the **ng-model** directive to be existing.
- In AngularJS, the **ng-change** directive will not override the HTML element's original **onchange** event, both will be executed.
- In AngularJS, the **ng-change** directive expression is evaluated immediately, unlike the JavaScript **onchange** event, which only activated at the end of a change.
- The **ng-change** directive is compiling at the priority level **"0"** (zero is a default priority level).
- The **ng-change** expression is only executed when a change in the input value causes a new value to be committed to the model.
- It will not be evaluated:
 - 1. If the value returned from the \$parser transformation pipeline has not changed
 - 2. If the input has continued to be invalid since the model will stay null.
 - 3. If the model is changed programmatically and not by a change to the input value









Syntax for ng-change directive in AngularJS:

```
<input ng-change= "expression" >
.......
</input>
Or
<ng-change ng-change= "expression" >
......
</ng-change>
```

Parameter value for ng-change directive in AngularJS:

Value	Description
expression	It is used to define an expression that execute
	when the text of an element will be cut.







Sample coding for ng-change directive in AngularJS:

```
<!DOCTYPE html>
<html>
  <head>
     <title>Wikitechy AngularJS Tutorials</title>
     <script src="https://ajax.googleapis.com/ajax/libs/</pre>
      angularjs/1.5.6/angular.min.js">
     </script>
  </head>
  <body>
     <h2> Wikitechy ng-change Directive in AngularJS Tutorials </h2>
     <div ng-app="myApp" ng-controller="myCtrl">
     <lable>Enter the text</lable>
     <input type="text" ng-change="changeFunc()"</pre>
       ng-model = "myValue" >
     <h3> The input field has been changed {{ count }} times </h3>
     </div>
     <script>
         angular.module('myApp', [])
         .controller('myCtrl', ['$scope', function($scope) {
             scope.count = 0;
             $scope.changeFunc = function() {
             $scope.count++;
          };
          }]);
     </script>
  </body>
 /html>
```







Code Explanation for ng-change directive in AngularJS:

```
<!DOCTYPE html>
<html>
  <head>
    <title> Wikitechy AngularJS Tutorials</title>
    Kscript src="https://ajax.googleapis.com/ajax/libs/\
   angularjs/1.5.6/angular.min.js">
    </script>
  </head>
  <body>
    <h2> ng-change() Directive in AngularJS Tutorials</h2>

<div ng-app="myApp" ng-controller="myCtrl">

      <lable>Enter the text</lable>
      <input type="text" ng-change="changeFunc()" ng-model="myValue">
      <h3>The input field has been changed {{count}} times.</h3>
    </div>
    <script>
      angular.module('myApp', [])
    __.controller('myCtrl', ['$scope', function($scope) {
        $scope.count = 0;
        -$scope.changeFunc = function() {
          $scope.count++; ——▶ 9
        };
      }]);
    </script>
  </body>
</html>
```

- 1. AngularJS is distributed as a JavaScript file, and can be added to a HTML page with a <script> tag.
- 2. The AngularJS application is defined by ng-app="myApp". application runs inside the **div** tag. It's also used to define a **body** tag as a root element. and ng-controller="myCtrl" is used to define a controller.







AngularJS Step By Step Tutorials



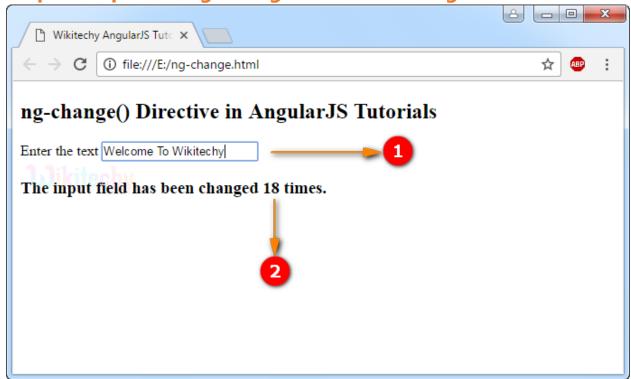
- 3. The **ng-change= "changeFunc()"** is called a changeFunc() function when a change in the input value causes a new value to be committed to the model.
- 4. Here the **ng-model** is bind an input field value to AngularJS application variable by using ng-model name as **"myValue"**.
- 5. **angular.module()** function is used to create a module for application. We have passed an empty array to it.
- 6. The .controller() function is used to create a controller to an application.
- 7. Here we have set the value of **\$scope.count** as 0.
- 8. Here we have assign the function() as value to **\$scope.changeFunc**
- 9. Here the count value is increased by one by using \$scope.count++







Sample Output for ng-change directive in AngularJS:



- 1. The output shows that when the user start to typing the input field, the count value will be increased by one by using the ng-change directive which one is called the changeFunc() function.
- 2. The output displays a count value in the content "The input field has been changed 18 times."

