

input[checkbox] DIRECTIVE IN ANGULARJS

- input [checkbox] is one of the input directive in module ng.
- Checkbox means when a user selected by the box which shows that a particular feature has been enabled.
- It can be used with **<input type="checkbox">**
- The default value of input [checkbox] is true and false.
- This directive executes at priority level is 0.

Syntax for input[checkbox] directive in AngularJs:

```
<input type="checkbox"  
      ng-model="string"  
      [name="string"]  
      [ng-true-value="expression"]  
      [ng-false-value="expression"]  
      [ng-change="string"]>
```



Parameter Values:

Parameters	Description
ngModel	Defines angular expression to data-bind to.
name (optional)	Name of the form under which the control is available.
ngTrueValue (optional)	ng-true-value to which the expression must be set when selected.
ngFalseValue (optional)	ng-false-value to which the expression must be set when not selected.
ngChange(optional)	An expression of Angular to be executed when input changes due to user interaction with the input element.



Sample coding for input[checkbox] directive in AngularJS

```
<!DOCTYPE html>
<html>
  <head>
    <title>Wikitechy AngularJS Tutorial</title>
    <script
src="https://ajax.googleapis.com/ajax/libs/angularjs/1.5.6/angular.min.js">
    </script>
  </head>
  <body>
    <form ng-app="myApp" ng-controller="checkboxCtrl">
      <h3>input[checkbox] directive example</h3>
      <label>Checkbox1:
        <input type="checkbox" ng-model="value1">
      </label> <br/>
      <tt>Checkbox1 value = {{value1}}</tt> <br/> <br/>
      <label>Checkbox2:
        <input type="checkbox" ng-model="value2"
          ng-true-value=" 'Checked' " ng-false-value=" 'Unchecked' ">
      </label> <br/>
      <tt>Checkbox2 value = {{value2}}</tt> <br/>
    </form>
    <script>
      var app=angular.module('myApp', []);
      app.controller('checkboxCtrl', ['$scope', function($scope) {
        $scope.value1 = true;
        $scope.value2 = 'Checked';
      }]);
    </script>
  </body>
</html>
```



Code Explanation input[checkbox] directive in AngularJS:

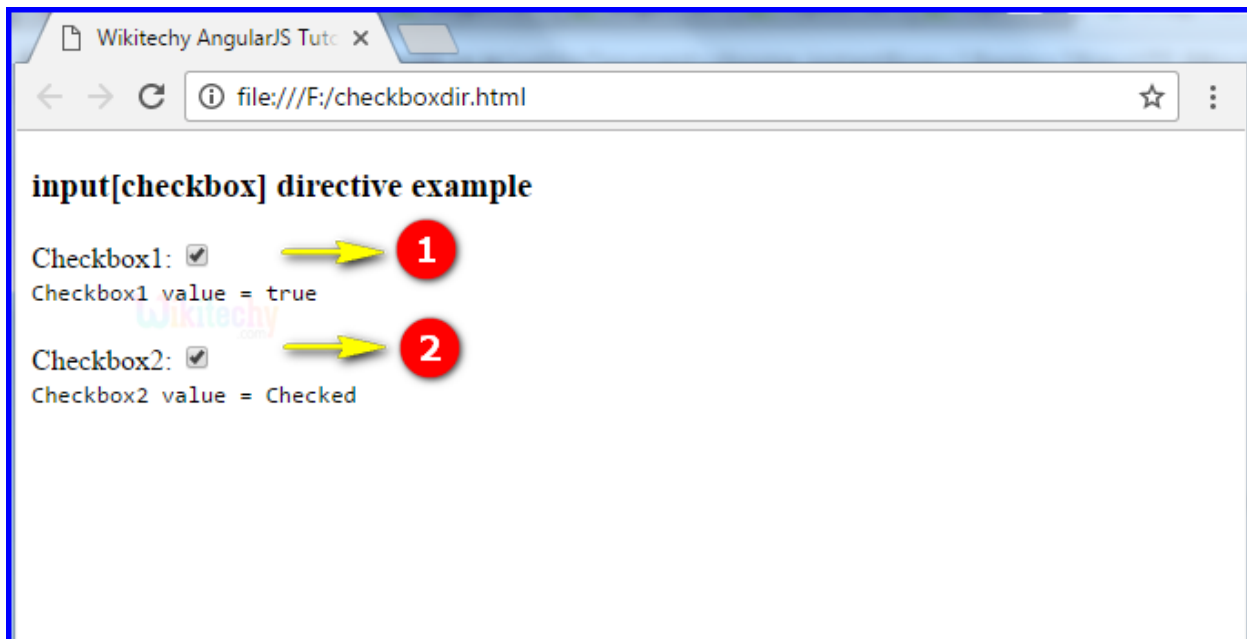
```
<!DOCTYPE html>
<html>
  <head>
    <title>Wikitechy AngularJS Tutorial</title>
    <script src="https://ajax.googleapis.com/ajax/libs/angularjs/1.5.6/angular.min.js"></script>
  </head>
  <body>
    <form ng-app="myApp" ng-controller="checkboxCtrl">
      <h3>input[checkbox] directive example</h3>
      <label>Checkbox1:
        <input type="checkbox" ng-model="value1">
      </label><br/>
      <tt>Checkbox1 value = {{value1}}</tt><br/><br/>
      <label>Checkbox2:
        <input type="checkbox" ng-model="value2"
          ng-true-value="Checked" ng-false-value="'Unchecked'">
      </label><br/>
      <tt>Checkbox2 value = {{value2}}</tt><br/>
    </form>
    <script>
      var app=angular.module('myApp', []);
      app.controller('checkboxCtrl', ['$scope', function($scope) {
        $scope.value1 = true;
        $scope.value2 = 'Checked';
      }]);
    </script>
  </body>
</html>
```

1. The **ng-app** specifies the root element (“**myapp**”) to define AngularJS application.
2. Ng-controller specifies the application controller in AngularJS the controller value is given as “**checkboxctrl**”.
3. **<label>** tag is used label for an input element.
4. The **ng-model** bind an input field value to AngularJS application variable (“**value1**”).



5. **<tt>** tag is used for text in teletype text.
6. The **ng-model** bind an input field value to AngularJS application variable (**"value2"**).
7. ng-true-value is used to "checked" expression should be set when user **click** the checkbox and the output will displays the **'checked'**.
8. Ng-false-value is used to "unchecked" expression should be set when user **unclick** the checkbox and the output will displays **"unchecked"**.
9. **\$scope.value1** is used to declare the value as **"true"**.
10. **\$scope.value2** is used to declare the value as **"checked"**.

Sample Output input[checkbox] directive in AngularJS:

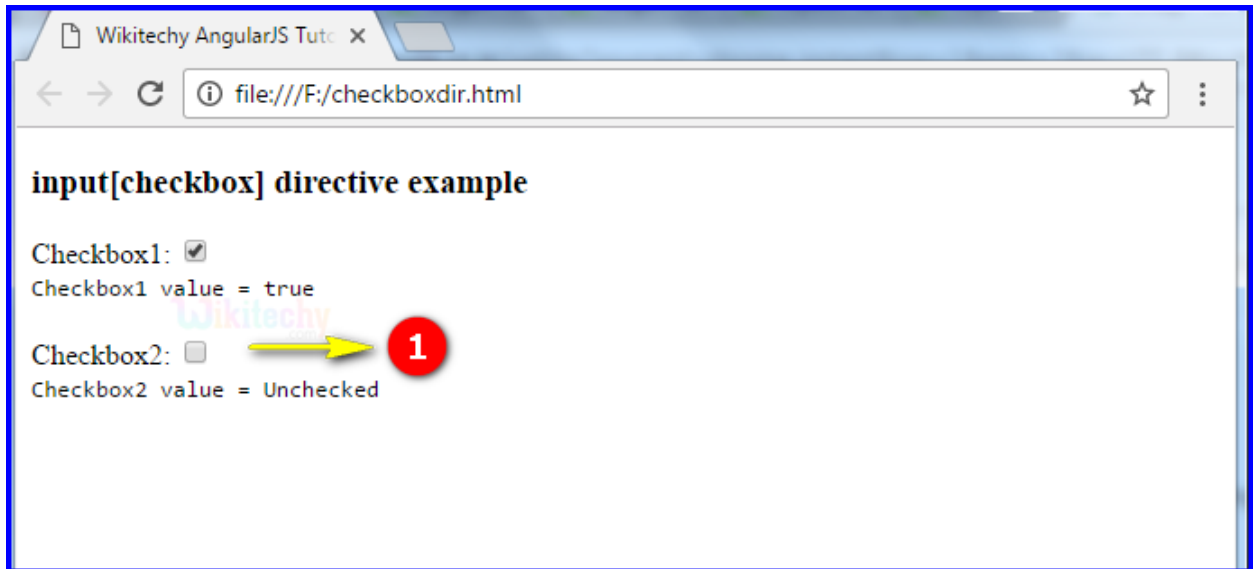


1. When user click the checkbox1 and the checkbox1 value will be displays true.

2. when user click the checkbox2 and the checkbox2 value will be displays checked.



1. If the user **unclick** the checkbox1 then the output will be taken as a **default** value **false**.



1. If the user **unclick** the checkbox2 button then the output will be displays **“unchecked”**.

