

select DIRECTIVE IN ANGULARJS

- AngularJS alters the default behavior of the <select> element.
- select Directive in AngularJS is used to HTML select element with **angular databinding**.
- The select directive is combined with **ng-model** to deliver the databinding between the scope and the <select> control. (It includes the **default values**)
- The dynamic option elements can be added in the select directive by using the **ngrepeat** and **ngoptions** directives.
- If the item is selected in the <select> menu the **ngmodel directive** identify the value in the selected option.
- When the **value attribute** is missing then the content of the value attribute and the text content of the option value are using **repeated options**.
- In select directive **Value** and the **textContent** can be inserted.



Syntax for select directive in AngularJS:

```
<select  
  ng-model="string"  
  [name="string"]  
  [multiple="string"]  
  [required="string"]  
  [ng-required="string"]  
  [ng-change="string"]  
  [ng-options="string"]>  
  ...  
</select>
```



Parameter Values:

Parameters	Type	Description
ngModel	string	Defines angular expression to data-bind.
name (optional)	string	Name of the form under which the control is available.
required (optional)	string	Denotes the required validation error key if the value is not entered.
ngrequired (optional)	string	Enhance the required attribute and required validation constraint to the element when the ngRequired expression evaluates to true. Use ngRequired instead of required when you want to data-bind to the required attribute
multiple	string	Permits multiple options to be selected. The selected values will be bound to the model as an array.
ngChange (optional)	string	An expression of Angular to be executed when input changes due to user interaction with the input element.
ngoptions	string	The options sets the select is populated with and defines what is set on the model on selection.

Sample coding for select directive in AngularJS:

```
<!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="selectCtrl">
      <h3>Selectbox using ng-repeat in AngularJS</h3>
      <select>
        <option ng-repeat="x in technology" required>{{x}}</option>
      </select>
      <h3>Selectbox using ng-options in AngularJS</h3>
      <select ng-model="name" ng-change="changefun()" ng-
options="x for x in technology"> </select>
        <tt>{{mychange}}</tt>
      <h3>Selectbox using Multiple select in AngularJS</h3>
      <select name="multipleSelect" id="multipleSelect" ng-
model="data.multipleSelect" multiple>
        <option ng-repeat="x in technology">{{x}}</option>
      </select> <br>
      <tt>multipleSelect = {{data.multipleSelect}}</tt> <br/>
    </div>
    <script>
      var app = angular.module("myApp", []);
      app.controller("selectCtrl", function($scope) {
        $scope.technology = [ "HTML", "AngularJS", "CSS", "C",
"JAVA", "PHP", ]
        $scope.changefun=function(){
```



```
        $scope.mychange="Option changed";
        }; });
    $scope.data = {
        multipleSelect: []
    };

</script>
</body>
</html>
```



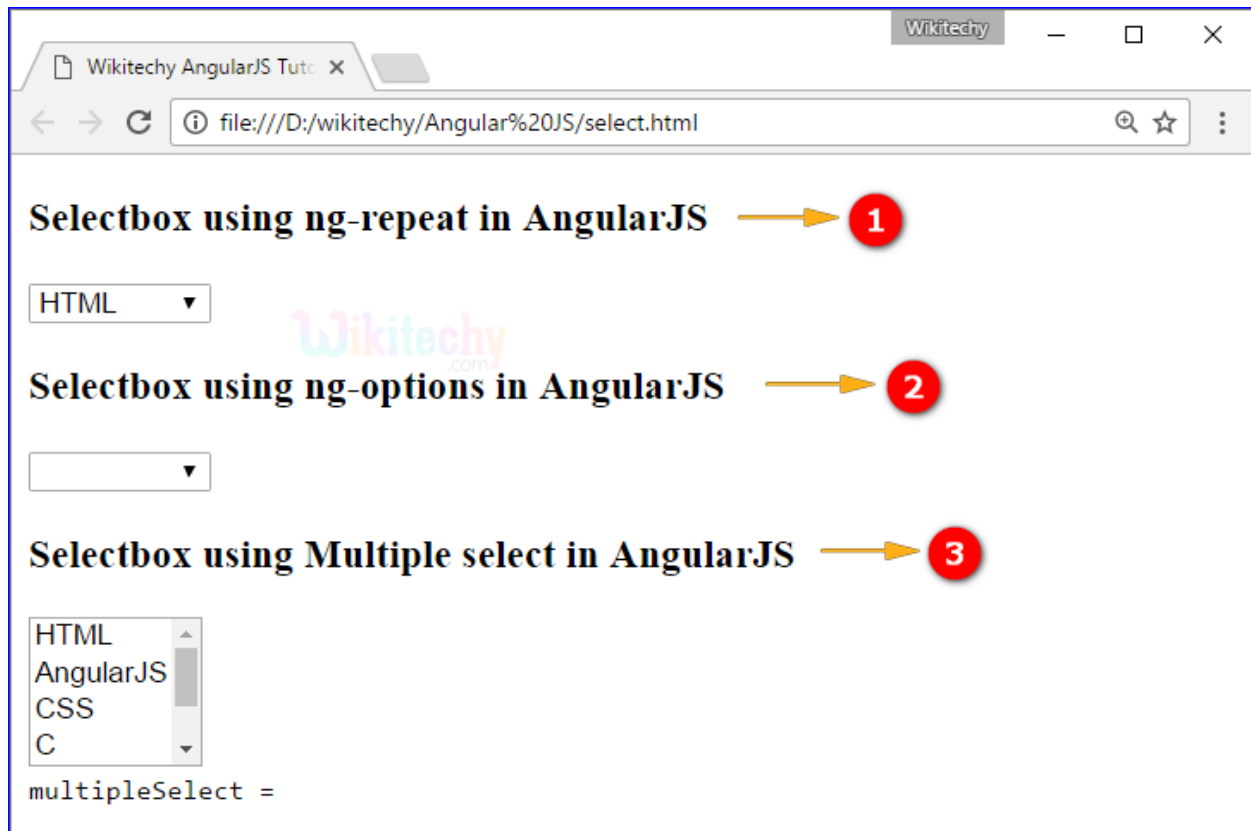
Code Explanation for select directive in AngularJS:

```
<!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="selectCtrl">
      <h3>Selectbox using ng-repeat in AngularJS</h3>
      <select>
        <option ng-repeat="x in technology" required>{{x}}</option>
      </select>
      <h3>Selectbox using ng-options in AngularJS</h3>
      <select ng-model="name" ng-change="changefun()" ng-options="x for x in technology"></select>
      <tt>{{mychange}}</tt>
      <h3>Selectbox using Multiple select in AngularJS</h3>
      <select name="multipleSelect" id="multipleSelect" ng-model="data.multipleSelect" multiple>
        <option ng-repeat="x in technology">{{x}}</option>
      </select><br>
      <tt>multipleSelect = {{data.multipleSelect}}</tt><br>
    </div>
    <script>
      var app = angular.module("myApp", []);
      app.controller("selectCtrl", function($scope) {
        $scope.technology = [ "HTML", "AngularJS", "CSS", "C", "JAVA", "PHP", ];
        $scope.changefun=function(){
          $scope.mychange="Option changed";
        };
      });
      $scope.data = {
        multipleSelect: []
      };
    </script>
  </body>
</html>
```

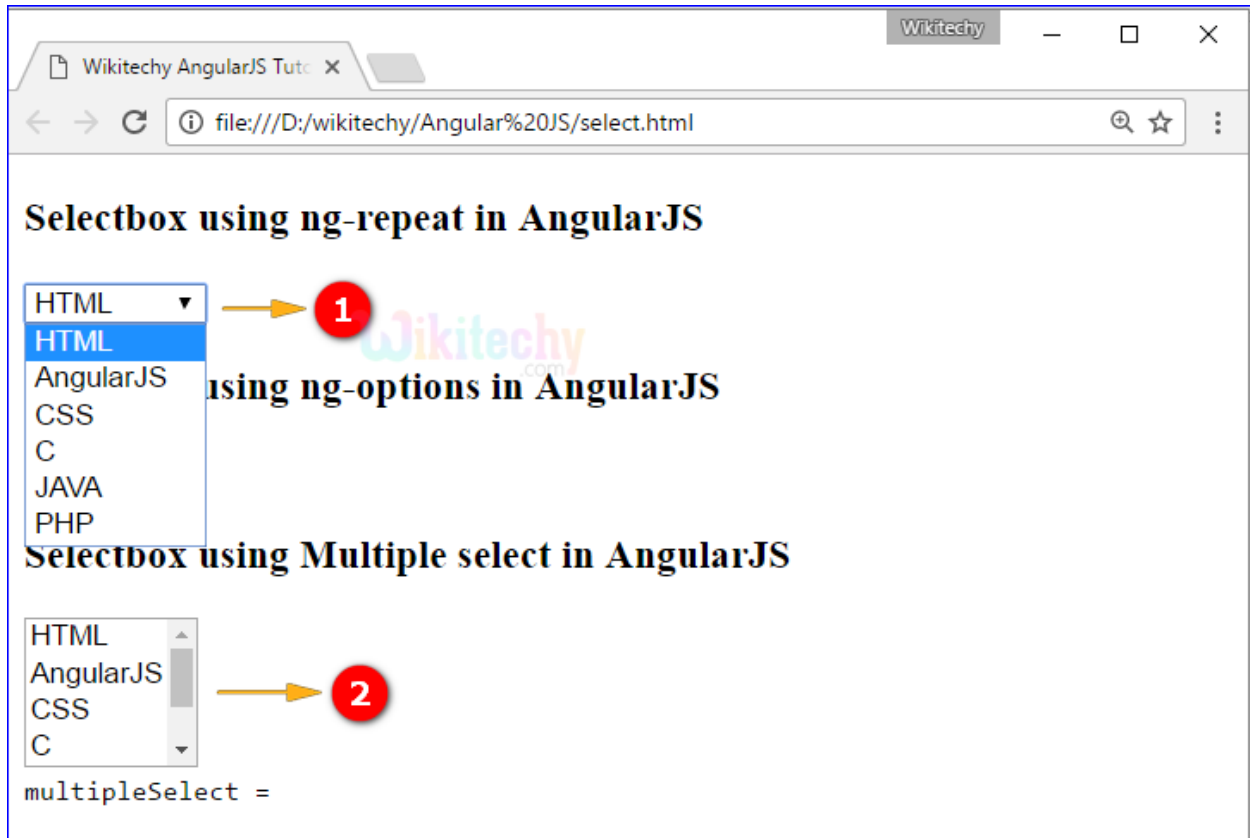
1. The **ng-app** specifies the root element (e.g. <body> or <html> or <div> tags) to define AngularJS application.
2. Ng-controller specifies the application controller in AngularJS the controller value is given as "selectctrl"
3. The **ng-repeat** is used to repeat the tag for each **data** in the **list**.
4. Required attribute is used for validation purpose when the value is not entered.
5. ngOptions occupied the select which is defines what is set on the model on selection.
6. The changed directive shows "option changed" when the valid character is given in the input.
7. Select name="multipleselect" is given for the multiple choice function of the options.
8. Changefun=function () is used to get the value from the ng-change directive.
9. Mutipleselect is value of the multiple options in the select directive.



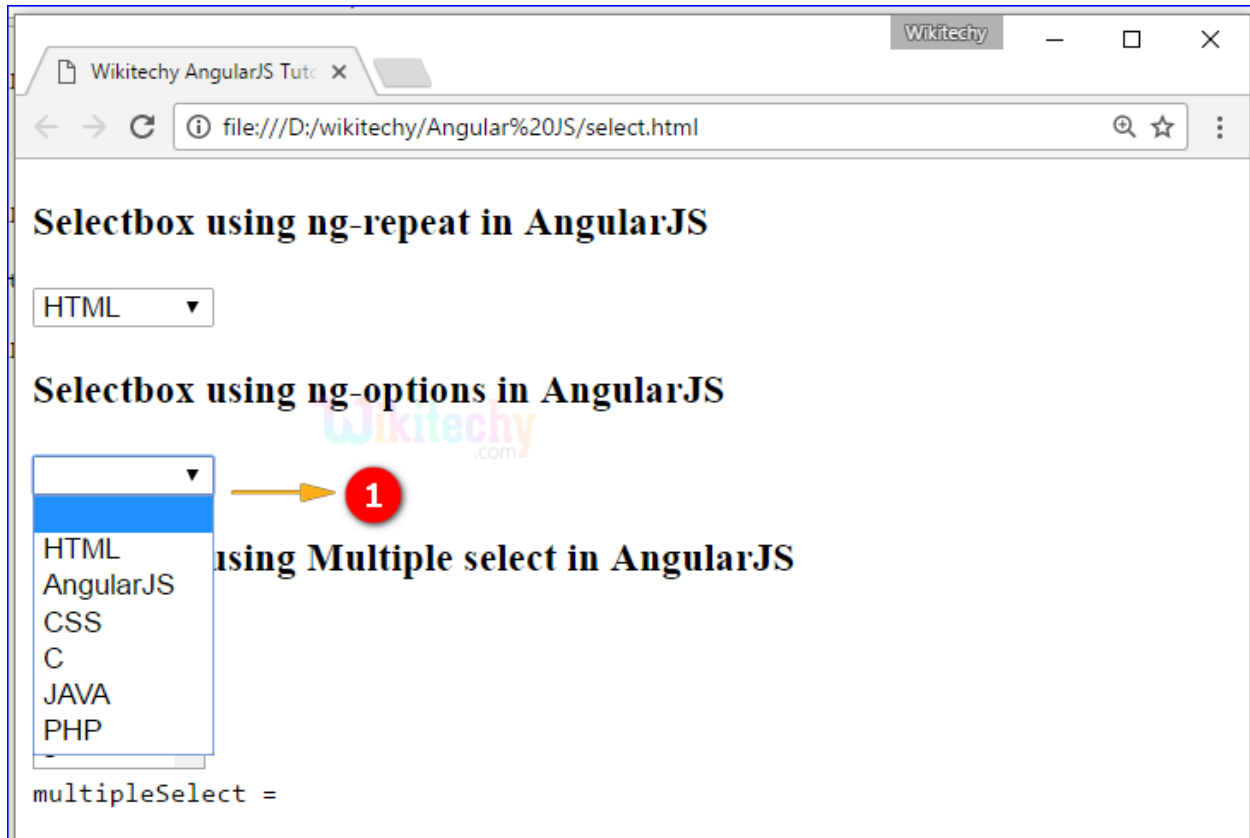
Sample Output for select directive in AngularJS:



1. The output displays the select box using **ng-repeat in AngularJS**.
2. The output displays the select box using **ng-options in AngularJS**.
3. The output displays the select box using **multiple select function in AngularJS**.



1. The output displays technology list options in **ng-repeat in AngularJS**.
2. The output displays technology list options in **Multiple select in AngularJS**.



1. The output displays technology list options in **ng-options in AngularJS**.