ng-value DIRECTIVE IN ANGULARJS

- The **ng-value directive** in AngularJS used to binds the given expression of an **input** element or a **select** element.

- It is supported by <input> and <select> elements

- It is useful for input option values are dynamically created using **ng-repeat** directive.

- ng-value directive achieves one-way binding of a given expression to an input element such as input[text] or textarea. These elements do not use ngmodel.

Syntax for ng-value directive in AngularJS:

<input ng-value="expression" ></input>

Parameter Values:

Value	Description
expression	An angular expression that will set the element's value attribute.

Sample coding for ng-value directive in AngularJS:

```html
<! 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>
      <div ng-app="myApp"  ng-controller="myCtrl">
         <h3>ng-value directive in AngularJS Tutorial</h3>
         <h2>Select Tutorials</h2>
         <li ng-repeat="X in names">
            {{X}}
            <input type="radio" ng-model="my.favorite" ng-value="X">
         </li><br/>
         You choose <b>{{my.favorite}}</b> Tutorial
      </div>
      <script>
         var app = angular.module('myApp', []);
         app.controller('myCtrl', function($scope) {
            $scope.names = ['HTML', 'CSS', 'PHP'];
            $scope.my = { favorite: 'CSS' };
         });
      </script>
   </body>
</html>
```

Code Explanation for ng-value directive in AngularJS:

```html
<!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>
        <div ng-app="myApp"  ng-controller="myCtrl">
            <h3>ng-value directive in AngularJS Tutorial</h3>
            <h2>Select Tutorials</h2>
            <li ng-repeat="X in names">
                {{X}}
                <input type="radio" ng-model="my.favorite" ng-value="X">
            </li><br/>
            You choose <b>{{my.favorite}}</b> Tutorial
        </div>
        <script>
            var app = angular.module('myApp', []);
            app.controller('myCtrl', function($scope) {
                $scope.names = ['HTML', 'CSS', 'PHP'];
                $scope.my = { favorite: 'CSS' };
            });
        </script>
    </body>
</html>
```
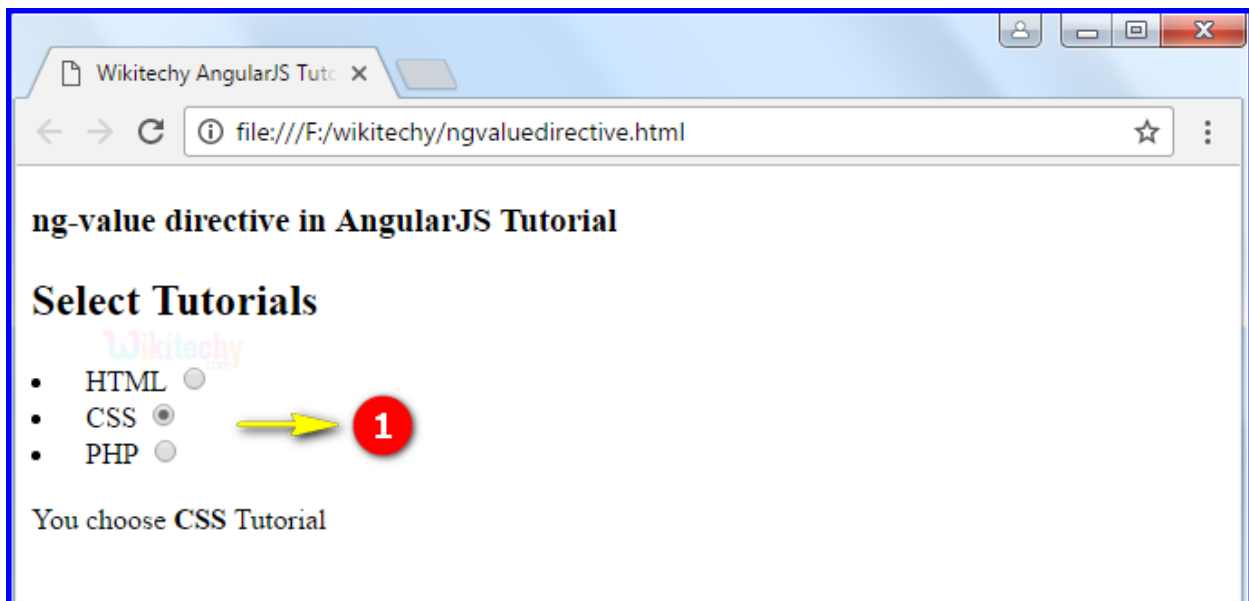
1. The **ng-app** specifies the root element ("myApp") to define AngularJS application.

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

3. The ng-repeat directive is used for repeats a set of names **(X in names)** in a given number of times and the output will be updated in the <li> tag.

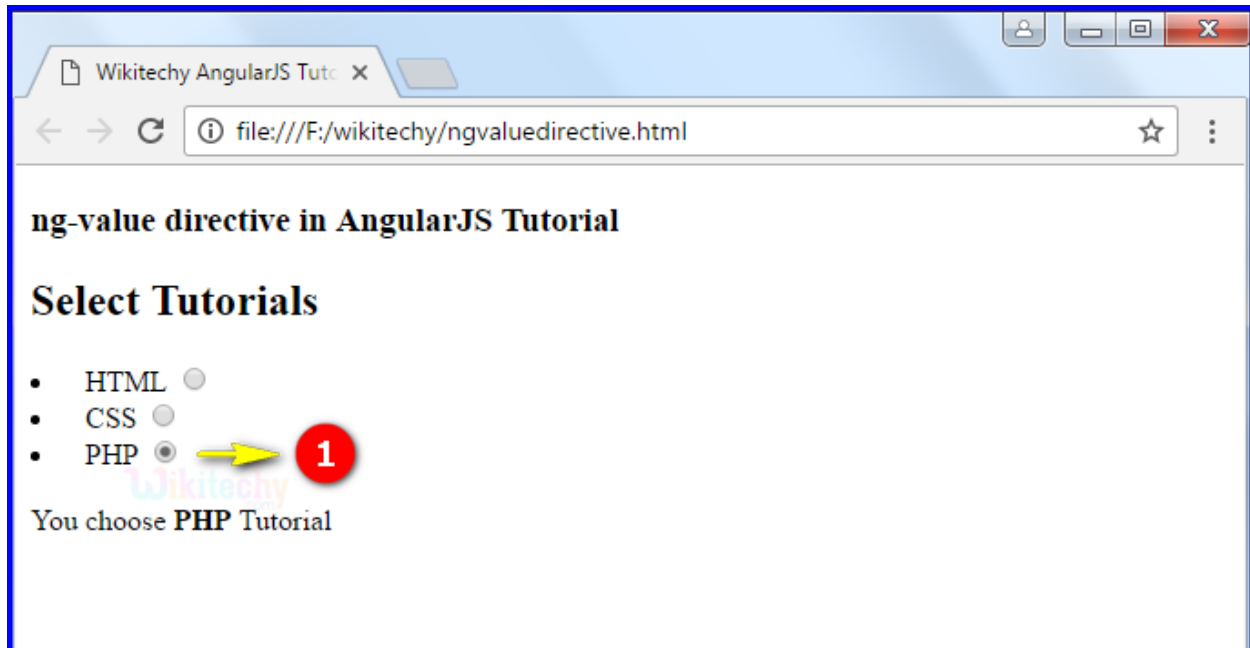4. The **"radio"** is declare the **type** value of the <input> tag.

5. ng-model binds the value from the HTML control to application data.

6. The ng-value directive is used for sets the value attribute of an input element **"X".**

7. The ng-value directive shows the "you choose CSS Tutorial" when the valid text is given in the input.

8. $scope.name is used to declare the scope object as HTML, CSS, PHP in array format.

9. The value is given as my in the scope object and the output will be displayed in the <div> tag.

Sample Output for ng-value directive in AngularJS:

1. When the page is loading the output displays the default value of CSS in the input field.

1. If the user click the PHP button in the input field and output displays the value as "you choose **PHP** tutorial".