ng-checked DIRECTIVE IN ANGULARJS

- **ng-checked** directive In AngularJS is used to sets the **checked** attribute to the checkbox and radio button.

- In AngularJS, the **ng-checked** directive should not be used together with ng-model, as this can lead to unexpected behavior.

- The **ng-checked** directive is compiling at the priority level **"100"**.

- The ng-checked directive is necessary to be able to shift the value between **true** and **false.**

- In HTML you cannot set the checked attribute value to false.

Syntax for ng-checked directive in AngularJS:

```
<input ng-checked= "expression" >
    ........
</input>
```

Parameter value for ng-checked directive in AngularJS:

Value	Description
expression	It is used to define an expression that will set the elements checked attribute if it returns true.

Sample coding for ng-checked 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 ng-app="">
    <h2> Wikitechy ng-checked Directive in AngularJS Tutorials </h2>
    <h4> Select Tutorials: </h4>
        <input type="checkbox" ng-model="all"> Select all<br><br>
        <input type="checkbox" ng-checked="all">CSS<br>
        <input type="checkbox" ng-checked="all">PHP<br>
        <input type="radio" ng-checked="all">HTML<br>
        <input type="radio" ng-checked="all">AngularJS
  </body>
</html>
```
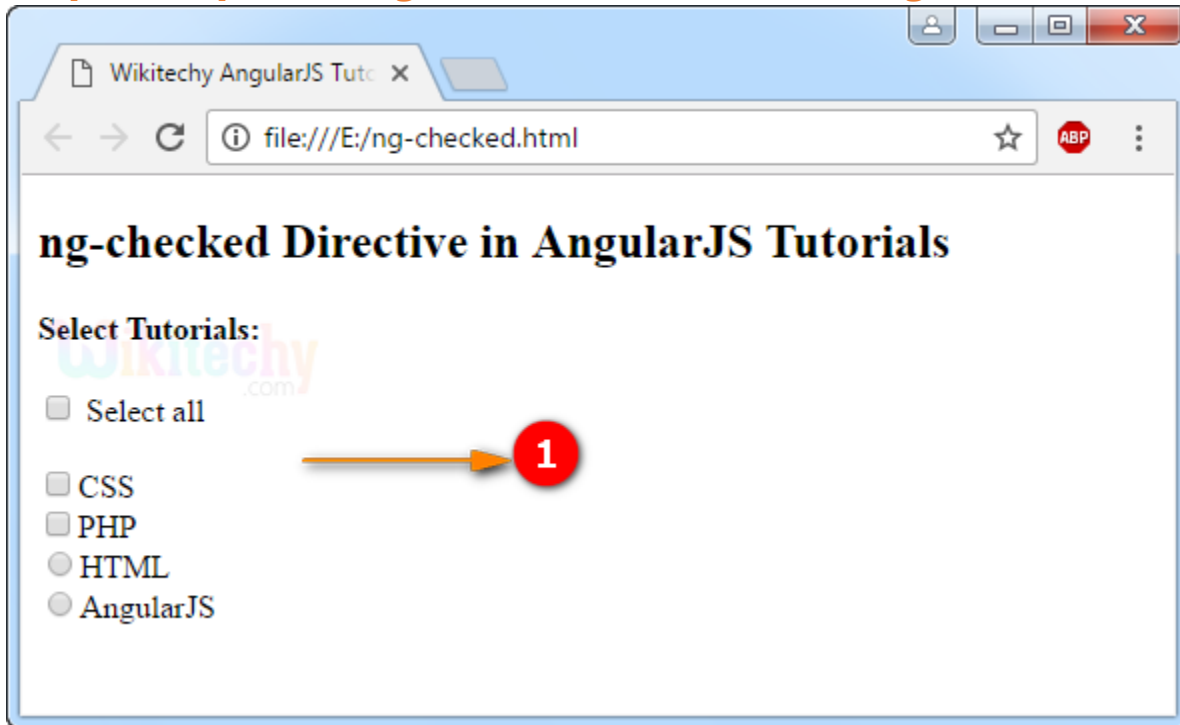
Code Explanation for ng-checked directive in AngularJS:

```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 ng-app="">
        <h2>ng-checked Directive in AngularJS Tutorials</h2>
        <h4>Select Tutorials:</h4>

        <input type="checkbox" ng-model="all"> Select all<br><br>
        <input type="checkbox" ng-checked="all">CSS<br>
        <input type="checkbox" ng-checked="all">PHP<br>

        <input type="radio" ng-checked="all">HTML<br>
        <input type="radio" ng-checked="all">AngularJS
    </body>
</html>
```
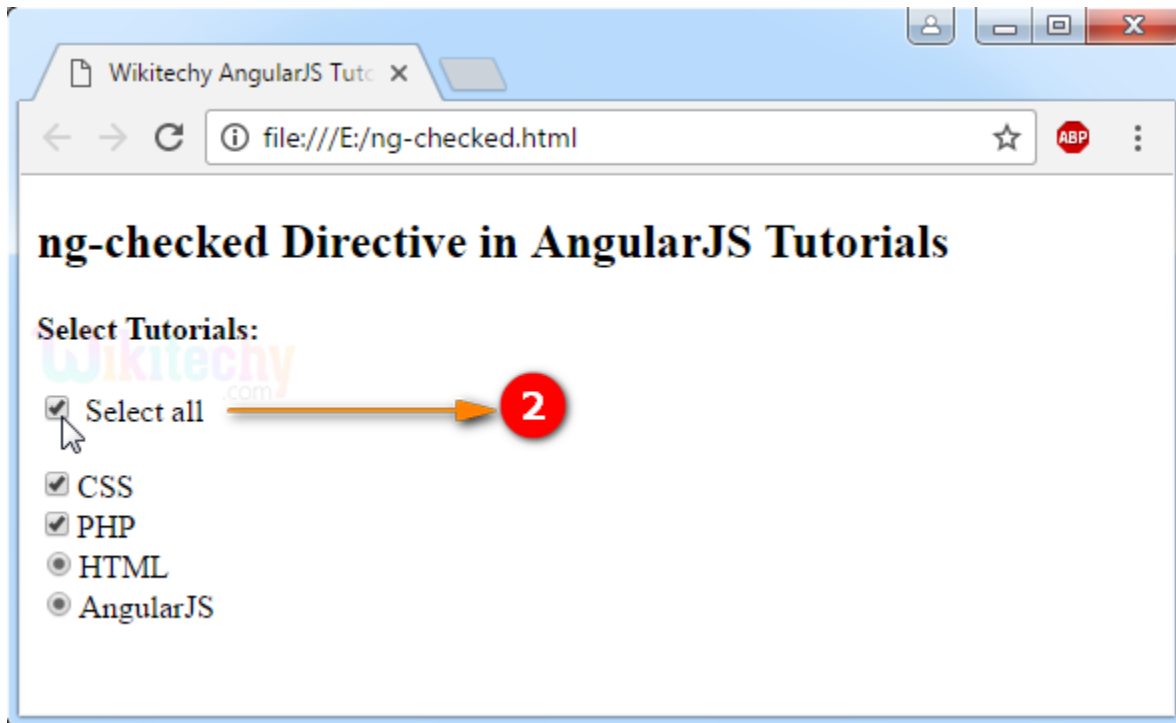
1. AngularJS is distributed as a JavaScript file, and can be added to a HTML page with a <script> tag.

2. The AngularJS application is defined by **ng-app=" ".** The application runs inside the **<body>** tag. It's also used to define a **<body>** tag as a root element.

3. The **<input>** tag is used to create the checkbox and set the value of **ng-model** is **"all"**

4. The **type= "checkbox"** is used to create the checkbox and set the **ng-checked** value is all.

5. The **type= "radio"** is used to create the radio button and set the **ng-checked** value is all.
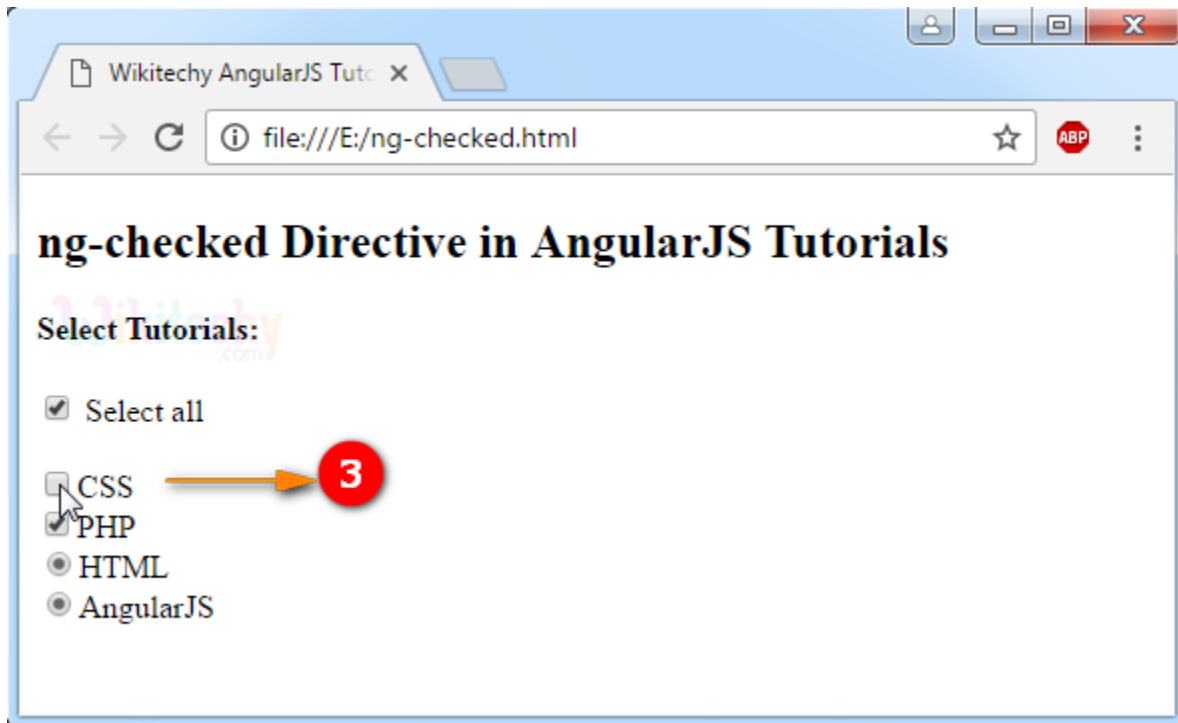
Sample Output for ng-checked directive in AngularJS:

1. The output shows that three checkboxes and two radio button will be displays when the page was loaded.

2. The output shows that if the user clicked the select all checkbox then all the button will be selected by using the **ng-model** directive.

3. The output shows that, the user deselects the **CSS** checkbox because this checkbox has the attribute name as **ng-checked.**

Tips and Notes

- By default, you cannot deselect the radio button when you using the ng-checked attribute in the <input> element.