

ng-switch DIRECTIVE IN ANGULARJS

- The **ng-switch** directive in AngularJS identifies a condition that is used to **show/hide** child elements depending on an expression.
- HTML elements only with in the ng-switch but without **ng-switch-when** or **ng-switch-default** directives will be maintained at the location as specified in the pattern.
- If the expression gets a match, then the child elements with the **ng-switch-when** directive will be displayed. Otherwise the child element will be removed.
- If the matching expression is not found in the elements, then the **ng-switch-default** attribute will be displayed.
- It is supported by all HTML elements.

Syntax for ng-switch Directive in AngularJS:

```
<element ng-switch="expression" >  
  <element ng-switch-when="value" > </element >  
  <element ng-switch-when="value" > </element >  
  <element ng-switch-when="value" > </element >  
  <element ng-switch-default="value" > </element >  
</element >
```

Parameter Values:

Parameter	Type	Description
ng-switch	*	<p>States the expression to match against ng-switch-when.</p> <p>Ng-switch-when: If the elements gets match then the ng-switch-when directive will be displayed. If the match elements appears multiple times, all the elements will be displayed using ngswitchWhenSeparator attribute.</p> <p>Ng-switch-default: If no other elements gets match, then the default case will be displayed.</p>



Sample code for ng-switch 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"> </sc
ript>
  </head>
  <body ng-app="">
    <h3>ng-switch Directive in AngularJS Tutorial</h3>
    Tutorials list:
    <select ng-model="topic">
      <option value="html">HTML
      <option value="css">CSS
      <option value="php">PHP
    </select>
    <div ng-switch="topic">
      <div ng-switch-when="html">
        <h1>HTML</h1>
        <p><b>HTML</b> is a standard markup language for creating web
pages</p>
      </div>
      <div ng-switch-when="css">
        <h1>CSS</h1>
        <p><b>CSS</b> is used to design style for a web page.</p>
      </div>
      <div ng-switch-when="php">
        <h1>PHP</h1>
        <p><b>Hypertext Preprocessor</b> is used to create dynamic Web
pages.</p>
      </div>
      <div ng-switch-default>
        <h1>Switch</h1>
```



```
<p>Select topic from the dropdown, to switch the content.</p>
</div>
</div>
</body>
</html>
```

Use ng-switch Directive in AngularJS:

```
<div ng-switch="topic">
  <div ng-switch-when="html">
    <h1>HTML</h1>
    <p><b>HTML</b> is a standard markup language for creating
web pages</p>
  </div>
  <div ng-switch-when="css">
    <h1>CSS</h1>
    <p><b>CSS</b> is used to design style for a web page.</p>
  </div>
  <div ng-switch-when="php">
    <h1>PHP</h1>
    <p><b>Hypertext Preprocesso</b>r is used to create dynamic
Web pages.</p>
  </div>
  <div ng-switch-default>
    <h1>Switch</h1>
    <p>Select topic from the dropdown, to switch the content.</p>
  </div>
</div>
```

- Ng-switch specifies a condition that will be used to show/hide child elements.

Use ng-switch-when Directive in AngularJS:

```
<div ng-switch-when="html">
  <h1>HTML</h1>
  <p><b>HTML</b> is a standard markup language for creating
web pages</p>
</div>
<div ng-switch-when="css">
  <h1>CSS</h1>
  <p><b>CSS</b> is used to design style for a web page.</p>
</div>
<div ng-switch-when="php">
  <h1>PHP</h1>
  <p><b>Hypertext Preprocesso</b>r is used to create dynamic
Web pages.</p>
</div>
```

- If the expression gets a match, then the child elements with the ng-switch-when directive will be displayed.

Use ng-switch-default Directive in AngularJS:

```
<div ng-switch-default>
  <h1>Switch</h1>
  <p>Select topic from the dropdown, to switch the content.</p>
</div>
```

- If the matching expression is not found in the elements, then the **ng-switch-default** attribute will be displayed.

Code Explanation for ng-switch 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 ng-app="">
    <h3>ng-switch Directive in AngularJS Tutorial</h3>
    Tutorials list:
    <select ng-model="topic">
      <option value="html">HTML
      <option value="css">CSS
      <option value="php">PHP
    </select>
    <div ng-switch="topic">
      <div ng-switch-when="html">
        <h1>HTML</h1>
        <p><b>HTML</b> is a standard markup language for
          creating web pages</p>
      </div>
      <div ng-switch-when="css">
        <h1>CSS</h1>
        <p><b>CSS</b> is used to design style for a web page.</p>
      </div>
      <div ng-switch-when="php">
        <h1>PHP</h1>
        <p><b>Hypertext Preprocessor</b> is used to create
          dynamic Web pages.</p>
      </div>
      <div ng-switch-default>
        <h1>Switch</h1>
        <p>Select topic from the dropdown, to switch the content.</p>
      </div>
    </div>
  </body>
</html>
```

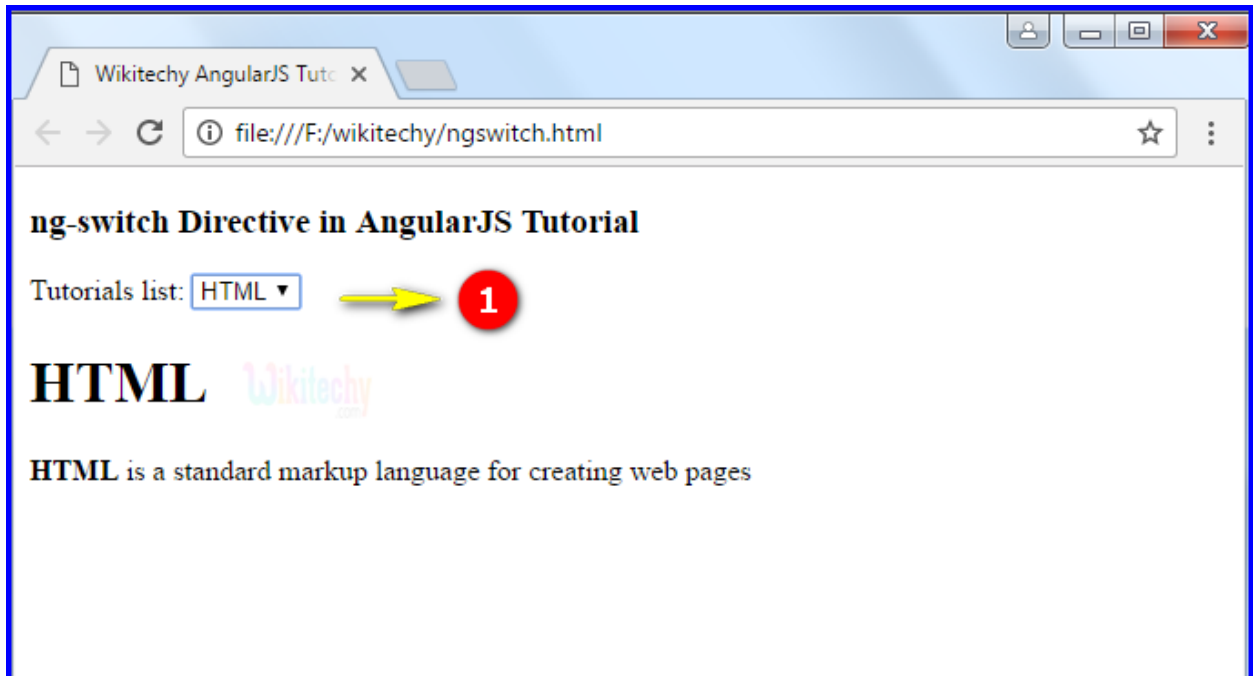
1. The **ng-app** specifies the root element (<div>) to define AngularJS application.
2. The **ng-model** bind an input field value to AngularJS application variable ("**topic**").
3. **<option>** tag is used to described an option in a select list such as HTML, CSS and PHP.
4. The child elements of the HTML, CSS and PHP gets match with in the **ng-switch** directive (ng-switch="topic") then the **ng-switch-when** directive will be displayed.
5. If the child elements are not in the option list, then the default value of **ng-switch-default** directive will be displayed.



Sample Output for ng-switch Directive in AngularJS:



1. When the page is loads the default value of switch option will be displayed.



1. If the user selects the HTML option which shows the child element HTML content will be displayed.

