

ng-class DIRECTIVE IN ANGULARJS

- **ng-class** directive is used to dynamically set one or more CSS classes to an HTML element.
- **ng-class** directive value can be a string, an object, or an array.
- If the value of the **ng-class** directive is **string**, it should contain one or more, space-separated class names.
- If the value of the **ng-class** directive is **an object**, it should contain **key-value pairs**, where the key is the class name of the class you want to add, and the value is a **boolean** value.
- If the value of the **ng-class** directive is **an array**, each array element can be either a string, or an object, described as above.
- All HTML elements supported the **ng-class** directive.
- The directive will not add duplicate classes if a particular class was already existing.

Syntax for ng-class directive in AngularJS:

```
<element ng-class= "expression" > </element>
```

Parameter value for ng-class directive in AngularJS:

Value	Description
expression	It is used to define an expression that returns one or more class names.



Sample coding for ng-class 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>
    <style>
      .blue {
        color:blue;
      }
      .font {
        font-size:20px;
      }
      .orange {
        background-color:orange;
      }
    </style>
  </head>
  <body ng-app="">
    <h3>Choose a class from the below checkbox:</h3>
    <input type="checkbox" ng-model="fontsize">
      Font Size<br>
    <input type="checkbox" ng-model="bluecolor">
      Blue Color<br>
    <input type="checkbox" ng-model="orangecolor">
      Orange Color Background
    <div ng-class="{blue: bluecolor, font: fontsize , orange:
      orangecolor }">
      <h1>Wikitechy ng-class Directive in AngularJS!</h1>
    </div>
  </body>
</html>
```



Code Explanation for ng-class directive in AngularJS:

```
<!DOCTYPE html>
<html>
  <head>
    <title>Wikitechy AngularJS Tutorials</title>
    1 ← <script src="https://ajax.googleapis.com/ajax/libs/
        angularjs/1.5.6/angular.min.js">
        </script>
    2 ← <style>
        .blue {
          color:blue;
        }
    3 ← <style>
        .font {
          font-size:20px;
        }
    4 ← <style>
        .orange {
          background-color:orange;
        }
    5 ← </style>
    </head>
    <body ng-app="">
      <h3>Choose a class from the below checkbox:</h3>
    6 ← <input type="checkbox" ng-model="fontsize">
        Font Size<br>
    7 ← <input type="checkbox" ng-model="bluecolor">
        Blue Color<br>
    8 ← <input type="checkbox" ng-model="orangecolor">
        Orange Color Background
    9 ← <div ng-class="{blue:bluecolor,font:fontsize,orange:orangecolor}">
        <h1>Wikitechy ng-class Directive in AngularJS!</h1>
    </div>
    </body>
  </html>
```

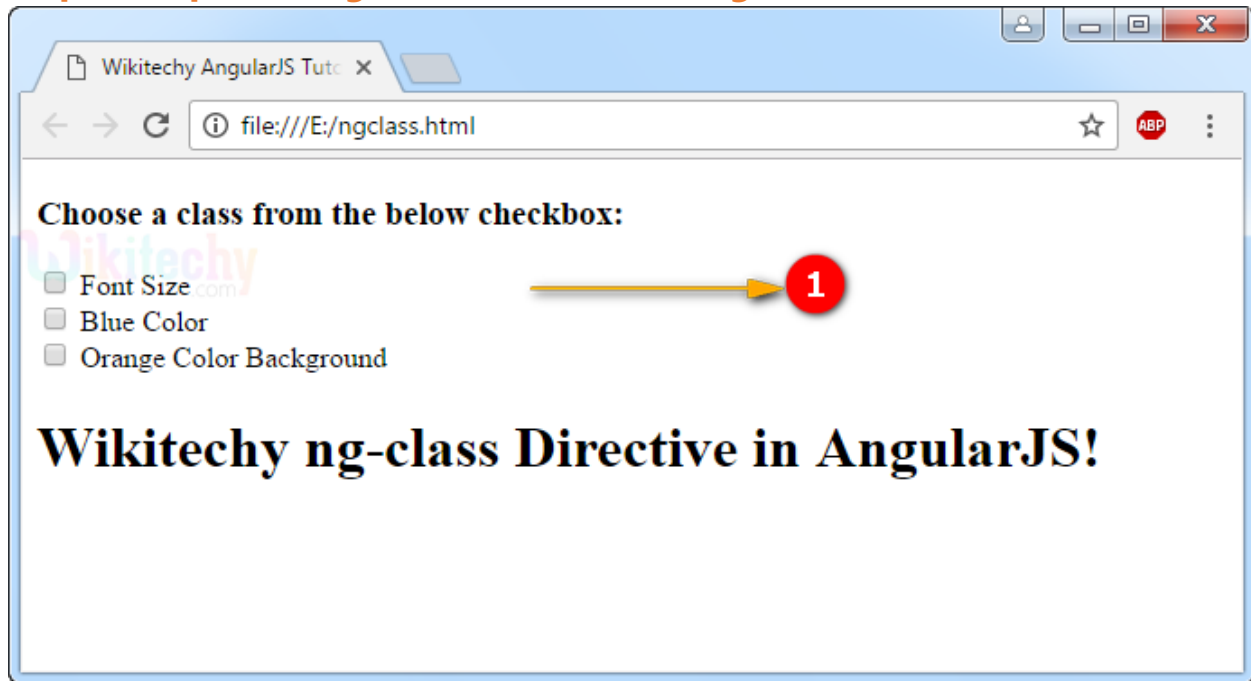
1. AngularJS is distributed as a JavaScript file, and can be added to a HTML page with a `<script>` tag.
2. `.blue {color : blue;}` is used to define a CSS class as **blue** which is used to set the `<div>` element's font-color as blue.



3. **.font {font-size: 20px;}** is used to define a CSS class as **font** which is used to set the **<div>** element's font-size as 20px.
4. **.orange {background-color: orange;}** is used to define a CSS class as **orange** which is used to set the **<div>** element's background color as orange.
5. 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.
6. The **<input>** tag is used to define the **checkbox** and the **ng-model** is used to bind the **fontsize** when the user click this checkbox.
7. The **<input>** tag is used to define the **checkbox** and the **ng-model** is used to bind the **bluecolor** when the user click this checkbox.
8. The **<input>** tag is used to define the **checkbox** and the **ng-model** is used to bind the **orangecolor background** when the user click this checkbox.
9. **<div ng-class="{blue: bluecolor, font: fontsize , orange: orangecolor }">** here the ng-class directive is used to dynamically set three CSS classes to a **<div>** tag.



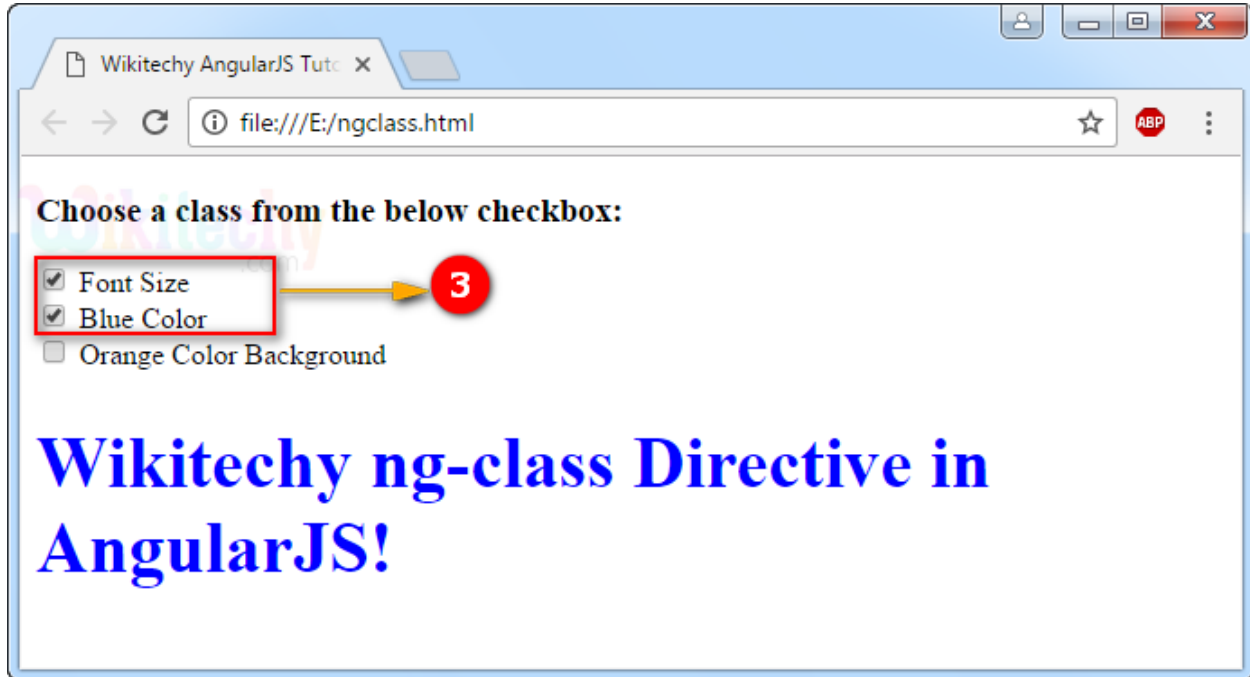
Sample Output for ng-class directive in AngularJS:



1. The output displays the checkbox and content when the page was loaded.



- The content “**Wikitechy ng-class Directive in AngularJS!**” font-size is changed as **20 pixels** when the checkbox name as **Font Size** is clicked.



- The content “**Wikitechy ng-class Directive in AngularJS!**” font-size is changed as **20 pixels** and font color is changed as **blue** when the checkbox both name as **Font Size and Blue Color** are clicked.



4. The content “**Wikitechy ng-class Directive in AngularJS!**” font-size is changed as **20 pixels**; font color is changed as **blue** and background color is changed as **orange** when the user clicked three checkboxes.