

## ng-class-even DIRECTIVE IN ANGULARJS

- **ng-class-even** directive is used to dynamically set one or more CSS classes to an HTML element, but will take effect only on every even appearance of the HTML element.
- The **ng-class-even** directive will only work, when the **ng-repeat** directive is existing in same HTML element.
- All HTML elements supported the **ng-class-even** directive. But the **ng-class-even** directive is perfect for styling items in **list** or rows in a **table**.

### Syntax for ng-class-even directive in AngularJS:

```
<element ng-repeat="x in data" ng-class-even = "expression" > </element>
```

### Parameter value for ng-class-even 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-even 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>
      .striped {
        background-color: skyblue;
        width:100px;
      }
    </style>
  </head>
  <body ng-app="myApp">
    <h2>Wikitechy ng-class-even directive in AngularJs</h2>
    <ul ng-controller="ngclassevenCtrl">
      <li ng-repeat="x in technology" ng-class-even=" 'striped' ">
        {{x.tut}} </li>
    </ul>
    <script>
      var app = angular.module( "myApp" , []);
      app.controller("ngclassevenCtrl", function($scope) {
        $scope.technology = [
          {"tut":"HTML"},
          {"tut":"AngularJS"},
          {"tut":"CSS"},
          {"tut":"C"},
          {"tut":"JAVA"},
          {"tut":"PHP"}, ];
      });
    </script>
  </body>
</html>
```



## Code Explanation for ng-class-even 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>
    <style>
      .striped {
        background-color: skyblue ;
        width:100px;
      }
    </style>
  </head>
  <body ng-app="myApp">
    <h2>Wikitechy ng-class-even directive in AngularJs</h2>
    <ul ng-controller="ngclassevenCtrl">
      5 ← <li ng-repeat="x in technology" ng-class-even="'striped'">
          {{x.tut}}
        </li>
    </ul>
    <script>
      8 ← var app = angular.module("myApp", []);
          app.controller("ngclassevenCtrl", function($scope) {
            $scope.technology = [
              {"tut": "HTML"},
              {"tut": "AngularJS"},
              {"tut": "CSS"},
              {"tut": "C"},
              {"tut": "JAVA"},
              {"tut": "PHP"},
            ];
          });
    </script>
  </body>
</html>
```

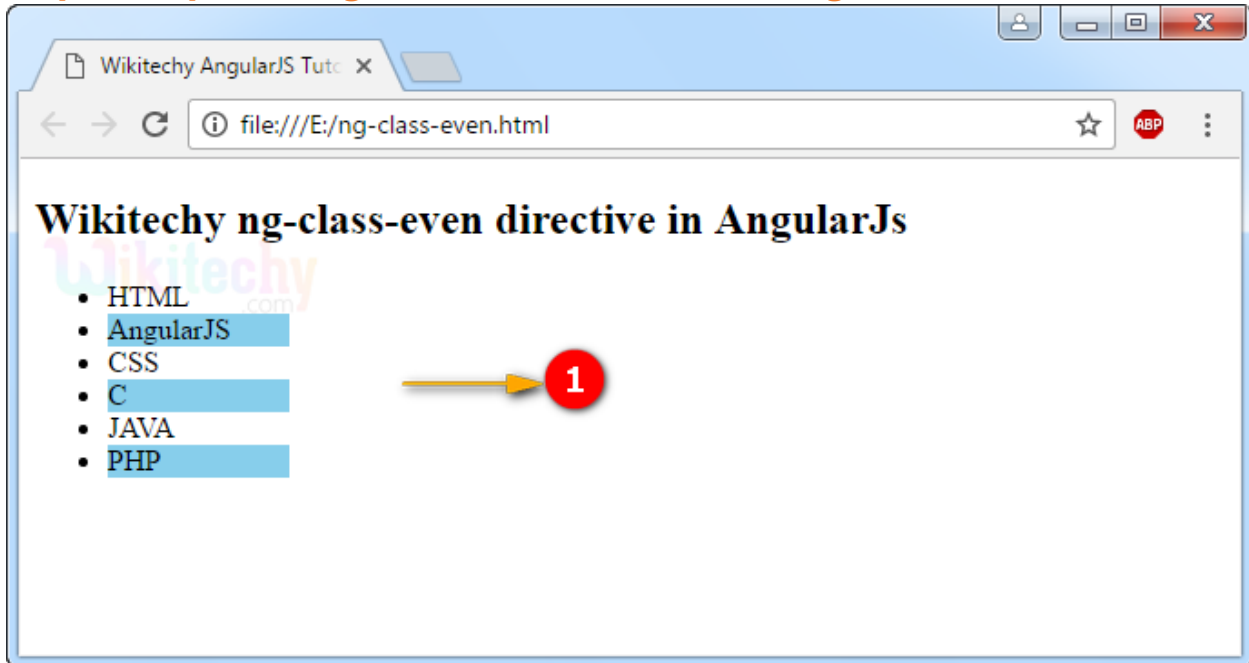
Diagram illustrating the code explanation for the `ng-class-even` directive in AngularJS. The code is annotated with numbered callouts (1-9) and arrows pointing to specific parts:

- 1: Points to the `<script>` tag loading the AngularJS library.
- 2: Points to the `.striped` CSS class definition.
- 3: Points to the `<head>` tag.
- 4: Points to the `ng-controller="ngclassevenCtrl"` attribute.
- 5: Points to the `ng-repeat="x in technology"` attribute.
- 6: Points to the `ng-class-even="'striped'"` attribute.
- 7: Points to the `function($scope)` parameter in the controller.
- 8: Points to the `app.controller` call.
- 9: Points to the `$scope.technology` array definition.

1. AngularJS is distributed as a JavaScript file, and can be added to a HTML page with a `<script>` tag.
2. `. striped {background-color: 'skyblue'; width:100 px}` is used to define a CSS class as **striped** which is used to set the `<li>` element's even item background color as **skyblue** with 100 pixels width.
3. The AngularJS application is defined by `ng-app="myApp "`. The application runs inside the `<body>` tag. It's also used to define a `<body>` tag as a root element.
4. The `ng-controller="ngclassevenCtrl"` is an AngularJS directive. It is used to define a controller name as `"ngclassevenCtrl"`.
5. `<li ng-repeat="x in technology" ng-class-even=" 'striped' ">`, here the `<li>` elements defined **ng-repeat** and **ng-class-even** directives. Because the **ng-class-even** directive only work with **ng-repeat** directive. The **ng-class-even** directive is used to dynamically set striped CSS classes to an `<li>` element, but will take effect only on every even appearance of the `<li>` element.
6. The `{{x.tut}}` is used to bind the **tut** value from a **technology** array.
7. The **angular.module** function is used to create a Module.
8. Here we have declared a controller **ngclassevenCtrl** module using **app.controller()** function. The value of the controller modules is stored in scope object. In AngularJS, **\$scope** is passed as first argument to **app.controller** during its constructor definition.

9. Here we have set the value of `$scope.technology=[ {"tut":"HTML"}, {"tut":"AngularJS"}, {"tut":"CSS"}, {"tut":"C"}, {"tut":"JAVA"}, {"tut":"PHP"}, ];`);

### Sample Output for ng-class-even directive in AngularJS:



1. The output displays the technology array items. And every even item in technology array is displayed with blue color background by using the **ng-class-even** directive.