date FILTER IN ANGULARJS

- The **date** is one of the filter in AngularJS filter.

- The **date** filter is used to formats a date to a string based on the requested format.

Syntax for date filter in AngularJS

{{ date | date : format : timezone }}

Parameter value for date filter in AngularJS:

Value	Description
date	Date to format either as Date object, milliseconds (string or number) or various ISO 8601 datetime string formats. **Example,** yyyy-MM-ddTHH:mm:ss.sssZ and its shorter versions like yyyy-MM-ddTHH:mmZ, yyyy-MM-dd or yyyyMMddTHHmmssZ . If no timezone is specified in the string input, the time is considered to be in the local timezone.
format	This is used for formatting rules. This is an optional value. If not specified any formatting rule, mediumDate is used. Formatting rule description given bellow: "yyyy"- year (2015) "yy"- year (15) "y" – year (2015) "MMMM" month (August) "MMM" – month (Aug) "MM" – month (08) "M" – month (8) "dd" – day (09)

	"d" – day (9) "EEEE" day (Sunday) "EEE" – day (Sun) "HH" – hour , 00- 23 (07) "H" – hour , 0-23 (7) "hh" – hour in AM/PM, 00-12 (07) "h" – hour in AM/ PM, 0-12 (7) "mm" – minute (07) "m" – minute (7) "ss" – second (07) "s" – second (7) "sss" – millisecond (025) "a" – (AM/ PM) "Z" – timezone (from -1200 to +1200) "ww" – week (00-53) "w" – week (0-53) "G" – era (AD) "GG" – era (AD) "GG" – era (AD) "GGGG" – era (Anno Domini)
timezone	The timezone is used for formatting a date. This is an optional value.

Sample coding for date filter in AngularJS:

```html
<!DOCTYPE html>
<html>
    <head>
            <title> Wikitechy AngularJS Tutorials</title>
    </head>
            <script
            src="https://ajax.googleapis.com/ajax/libs/
            angularjs/1.5.6/angular.min.js">
            </script>
    <body>
            <div ng-app="myApp" ng-controller="dateCtrl">
            <h2>Wikitechy date Filter in AngularJS</h2>
            <h3>Date = {{ today | date }}</h3>
            </div>
            <script>
                    var apps = angular.module('myApp', [ ] );
                    apps.controller('dateCtrl', function($scope)
                    {
                    $scope.today = new Date();
                    });
            </script>
    </body>
</html>
```

date filter in AngularJS:

```
<h3>Date = {{ today | date }}</h3>
```

- Today **date** will be displayed.

Data:

- The **date** data has been defined for our AngularJS Application.

```
Date:
```

Logic:

- Controller logic for the AngularJS Application.

```
apps.controller('dateCtrl', function($scope)
          {
                  $scope.today = new Date();
          });
```

HTML:

- Viewable HTML contents in AngularJS Application.

```
<div ng-app="myApp" ng-controller="dateCtrl">
          <h2>Wikitechy date Fillter in AngularJS</h2>
          <h3>Date = {{ today | date }}</h3>
</div>
```
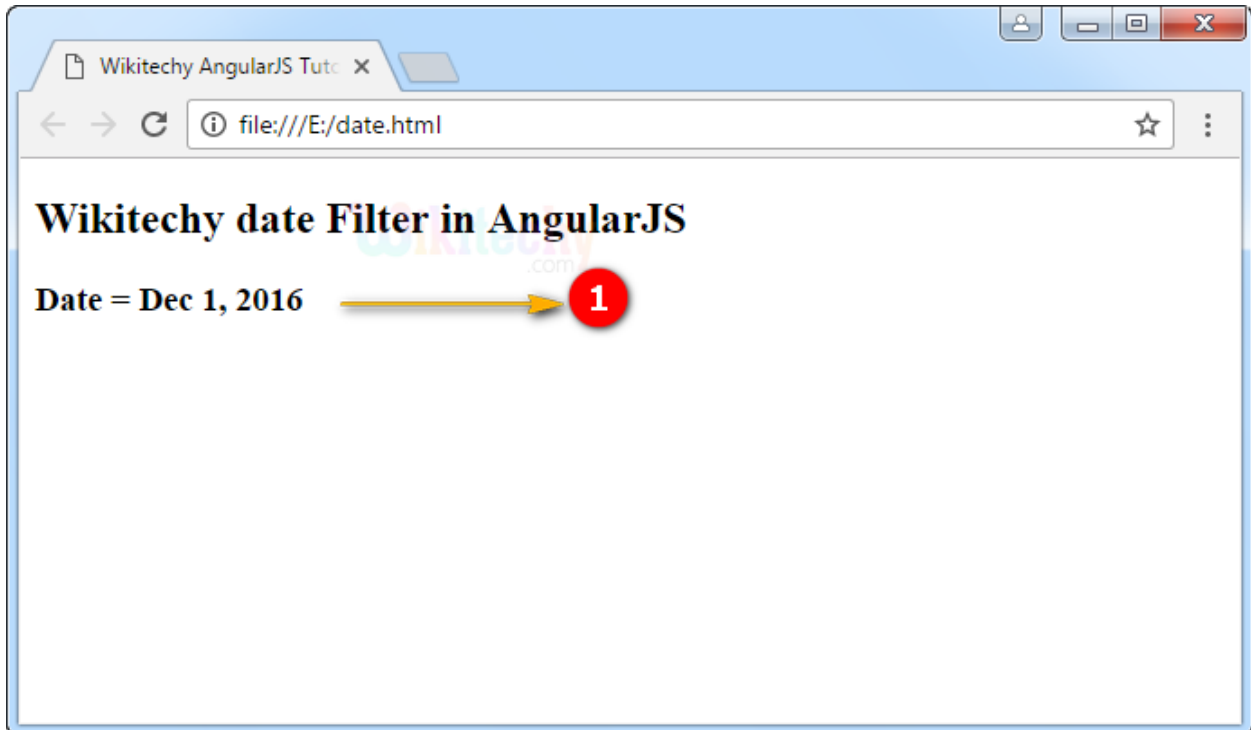
Code Explanation for data filter in AngularJS:

```html
<!DOCTYPE html>
<html>
    <head>
        <title> Wikitechy AngularJS Tutorials</title>
    </head>
        <script
  1──→    src="https://ajax.googleapis.com/ajax/libs/
        angularjs/1.5.6/angular.min.js">
        </script>                2              3
    <body>
        <div ng-app="myApp" ng-controller="dateCtrl">
        <h2>Wikitechy date Fillter in AngularJS</h2>
        <h3>Date = {{ today | date }}</h3>
        </div>                               5
        <script>                4
            var apps = angular.module('myApp', []);
  6──→     apps.controller('dateCtrl', function($scope)
            {
  8──→         $scope.today = new Date();
            });                                  7
        </script>
    </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=" myApp".** The application runs inside the **<div>** tag. It's also used to define a **<div>** tag as a root element.

3. The **ng-controller="dateCtrl"** is an AngularJS directive. It is used to define a controller name as **"dateCtrl".**

4. **Date = {{today | date }}** is a date filter format of the **myApp** application.

5. Here we have create a module using **angular.module** function. We have passed an empty array to it.

6. Here we have declared a controller **dateCtrl** module using **apps.controller()** function.

7. The value of the controller modules is stored in scope object. In AngularJS, **$scope** is passed as first argument to **apps.controller** during its constructor definition.

8. Here we have set the value of **$scope.today,** which are to be used to display the **Date = {{today | date}}** values in the HTML**<div>** element.

Sample Output for date filter in AngularJS:

1. The output displays the date with local timezone format.