

limitTo FILTER IN ANGULARJS

- The **limitTo** filter is used to filter an array or string or number, which returns only the specified number of elements.
- If you used positive number (like 2) then the elements are taken from the beginning of the array or number or string.
- If you used negative number (like -2) then the elements are taken from the end of the array or number or string.

Syntax for limitTo filter in AngularJS :

```
{{ object | limitTo : limit : begin }}
```

Parameter value for limitTo filter in AngularJS :

| Value | Type | Description |
|-------|------------------|--|
| limit | string number | The length of the return array or string. If the type of the value is a number . It is used to define how many elements to return. |
| begin | string number | The begin value is used to define where to be begin the limitation. This is an optional value. The default value of begin is 0 . |

Sample coding for limitTo filter in AngularJS :

```
<!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="limitCtrl">
      <h2> Wikitechy limitTo filter in AngularJS </h2>
      <ul>
        <h3> Display the first two items from a {{flowers}} array.</h3>
        <li ng-repeat="x in flowers| limitTo : 2 "> {{ x }} </li>
        <h3> Display a last two items from a {{flowers}} array.</h3>
        <li ng-repeat="x in flowers| limitTo : -2 "> {{ x }} </li>
        <h3> Display the first two items from a "{{word}}" string.</h3>
        <li ng-repeat="x in word| limitTo : 2 "> {{ x }} </li>
        <h3> Display two items from a " {{ number }}" number, starting at
          position 1. </h3>
        <li ng-repeat="x in number| limitTo : 2 : 1 ">{{ x }}
        </li>
      </ul>
    </div>
    <script>
      var app = angular.module( 'myApp', [] );
      app.controller('limitCtrl', function($scope) {
        $scope.flowers = ["Lily", "Rose", "Jasmine","Poppy"];
        $scope.word = "welcome";
        $scope.number = 231291171229;
      });
    </script>
  </body>
</html>
```



limitTo filter in AngularJS:

```
<li ng-repeat="x in flowers| limitTo : 2 "> {{ x }} </li>
<li ng-repeat="x in flowers| limitTo : -2 "> {{ x }} </li>
<li ng-repeat="x in word| limitTo : 2 "> {{ x }} </li>
<li ng-repeat="x in number| limitTo : 2 : 1 ">{{ x }} </li>
```

- The limitTo filter is used in AngularJS application with limit and begin value.

Data:

- Collection of data has been defined in AngularJS application.

```
flowers = ["Lily", "Rose", "Jasmine","Poppy"];
word = "welcome";
number = 231291171229;
```

Logic:

- [Controller](#) logic for the AngularJS Application.

```
app.controller('limitCtrl', function($scope) {
    $scope.flowers = ["Lily", "Rose", "Jasmine","Poppy"];
    $scope.word = "welcome";
    $scope.number = 231291171229;
});
```

HTML:

- Viewable HTML contents in AngularJS Application.

```
<div ng-app="myApp" ng-controller="limitCtrl">
  <h2> Wikitechy limitTo filter in AngularJS </h2>
  <ul>
    <h3> Display the first two items from a {{flowers}} array.</h3>
    <li ng-repeat="x in flowers| limitTo : 2 "> {{ x }} </li>
    <h3> Display a last two items from a {{flowers}} array.</h3>
    <li ng-repeat="x in flowers| limitTo : -2 ">{{ x }}</li>
    <h3> Display the first two items from a "{{word}}" string.</h3>
    <li ng-repeat="x in word| limitTo : 2 ">{{ x }}</li>
    <h3> Display two items from a " {{ number }} " number,
```

```
starting at position 1. </h3>
<li ng-repeat="x in number| limitTo : 2 : 1 ">{{ x }}</li>
</ul>
</div>
```

Code Explanation for limitTo filter in AngularJS:

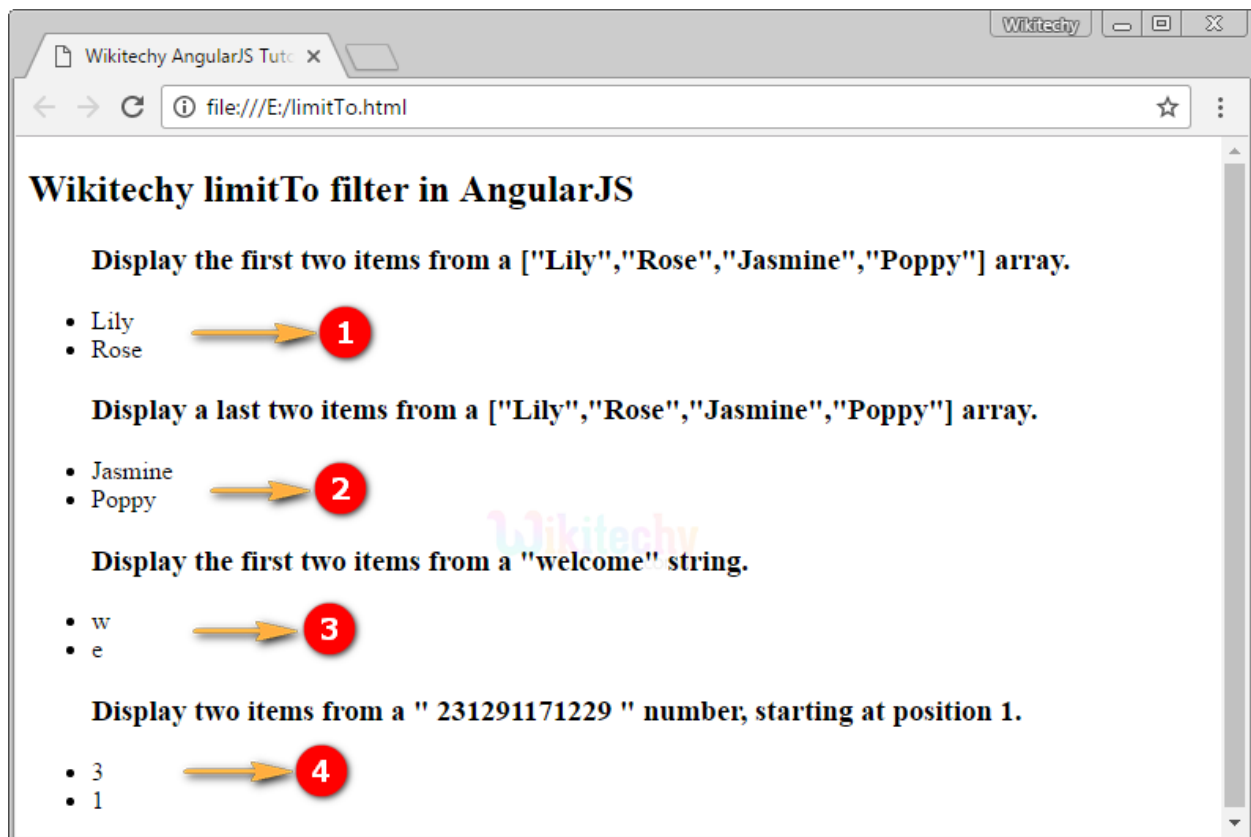
```
<!DOCTYPE html>
<html>
  <head>
    <title>Wikitechy AngularJS Tutorials</title>
  </head>
  <script
1   src="https://ajax.googleapis.com/ajax/libs/
    angularjs/1.5.6/angular.min.js">
  </script>
2
  <body>
3
4   <div ng-app="myApp" ng-controller="limitCtrl">
5     <h2> Wikitechy limitTo filter in AngularJS </h2>
6
7     <ul>
8       <h3> Display the first two items from a {{flowers}} array.</h3>
9       <li ng-repeat="x in flowers| limitTo : 2 ">
10        {{ x }}
11      </li>
12      <h3>Display a last two items from a {{flowers}} array.</h3>
13      <li ng-repeat="x in flowers| limitTo : -2 ">
14        {{ x }}
15      </li>
16      <h3> Display the first two items from a "{{word}}" string.</h3>
17      <li ng-repeat="x in word| limitTo : 2 ">
18        {{ x }}
19      </li>
20      <h3> Display two items from a "{{ number }}" number, starting at position 1.
21      </h3>
22      <li ng-repeat="x in number| limitTo : 2 : 1 ">
23        {{ x }}
24      </li>
25    </ul>
26  </div>
27  <script>
28    var app = angular.module('myApp', []);
29    app.controller('limitCtrl', function($scope) {
30      $scope.flowers = ["Lily", "Rose", "Jasmine", "Poppy"];
31      $scope.word = "welcome";
32      $scope.number = 231291171229;
33    });
34  </script>
35</body>
36</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="limitCtrl"](#) is an AngularJS directive. It is used to define a controller name as **"limitCtrl"**.
4. `<li ng-repeat="x in flowers| limitTo : 2 ">` Here, the **limitTo** is used to display a first two items from flowers array because the limit value is **2**.
5. `<li ng-repeat="x in flowers| limitTo : -2 ">` here, the **limitTo** is used to display a last two items from flowers array because the limit value is **-2**.
6. `<li ng-repeat="x in word| limitTo : 2 ">` Here, the **limitTo** is used to displays a first two items from the string **word** because the **limit** value is **2**.
7. `<li ng-repeat="x in number| limitTo: 2: 1">` Here, the **limitTo** is used to display a two items from the **number** because the **limit** value is **2** and here, the **begin** value **1** is used to specifies that the limitation will be start at position **1**.
8. The `{{ x }}` is used to bind a data in AngularJS application.
9. Here we create a module by using [angular.module](#) function.
10. Here we have declared a controller **limitCtrl** module using **apps.controller()** function. 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.

11. Here we have set the value of **\$scope.flowers** array as **["Lily", "Rose", "Jasmine", "Poppy"]**.
12. Here we have set the value of **\$scope.word** as **"welcome"**.
13. Here we have set the value of **\$scope.number** as **231291171229**;

Sample Output for limitTo filter in AngularJS :



1. Display a **first** two items (**Lily, Rose**) from a **flowers** array because the **limitTo** filter is used **2** as a **limit** value.
2. Display a **last** two items (**Jasmine, Poppy**) from a **flowers** array because the **limitTo** filter is used **-2** as a **limit** value.

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3. Display a **first** two items (**w, e**) from a **welcome** string because the **limitTo** filter is used **2** as a **limit** value.
 4. Display a two items (**3, 1**) from a number “**231291171229**” (Example array position is [01234567.....]) because the **limitTo** filter is used **2** as a **limit** value. And here, the **begin** value **1** is used to specifies that the limitation will be start at position **1**.

