



# Ground Up

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## 8. CUSTOM FILTERS



# AngularJS Filters

- Filters are temporary transformation of data to be rendered on to a view.
- AngularJS provides the following filters
  - Currency
  - Date
  - Filter
  - Json
  - limitTo
  - Lowercase
  - Number
  - orderBy
  - uppercase



# Create a Custom Filter

1

- Create a reverseTextFilter.js file

2

- Insert a script tag into index.html

3

- Register the filter with a module

4

- Use the filter function in index.html



# Create a Custom Filter

```
1  //immediately invoked function expression
2  (function(){
3
4  // to initialize ng-app
5  var app = angular.module('directivesModule',[]);
6
7  //Create a Filter
8  app.filter('reverseText', function(){
9
10     //Defining the filter function
11     return function(input) {
12
13         var result = "";
14         input = input || "";
15
16         for (var i=0; i<input.length; i++) {
17             result = input.charAt(i) + result;
18         }
19
20         return result;
21     };
22
23 });
24
25 }());
26
```



# index.html

Example 8-1

```
<html ng-app="directivesModule">
```

```
  <script src="https://ajax.googleapis.com/ajax/libs/angularjs/1.5.0-rc.1/angular.min.js"></script>
  <script src="reverseTextFilter.js"></script>
```

```
<body>
  <input type="text" ng-model="text" placeholder="Enter text"/>
  <p>Filtered Reverse Input: {{ text | reversetext }}</p>
</body>
```



# Summary

- Filters in AngularJS
- How to define custom filters
- Examples