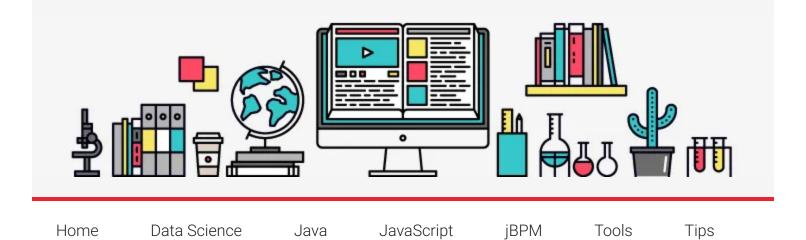
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October 20, 2015 By Abhisek Jana — Leave a Comment (Edit)

## How to use Filter in Angular JS



Filters in Angular JS provides a way to format the data before displaying. Angular JS filters are useful to keep the business logic separated from the logic to display data and they are absolutely reusable across the application. In my experience, filer is an easy topic to discuss in Angular, so I will not be spending a ton of time explaining each filter. Lets find out how to use filter in Angular JS.

In The Best Way to Master Angular JS series I have given a high level overview of the Angular filter. Find it here.

#### **Native Filters:**

There are several native Angular Filters available. You can use the filters using a pipe (|). like {{name | uppercase}}. Here are the list of native Angular filters.

- 1. filter
- 2. currency
- 3. number
- 4. date
- 5. json
- 6. lowercase
- 7. uppercase
- 8. limitTo

9. orderBy

Most of these are self explanatory, except the first one. The **filter** is mainly used to filter elements from an array. e.g – If you have a list of names and you want to filter specific names then use the filter. (The last one in the example below)

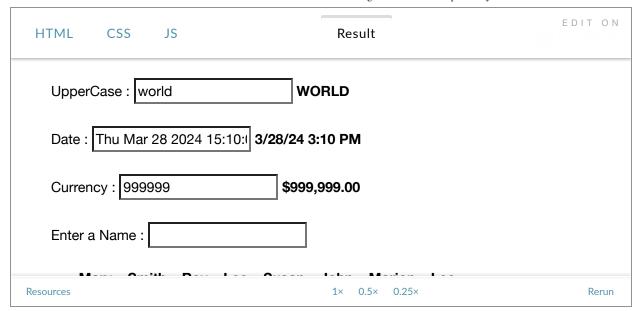
Here are some of the example of how to use a filter. In the last example, we are filtering an array of names, anything you type in the text box that will be used to filter the names.

UpperCase :
{{name uppercase}}
Data
Date:
{{date date:'short'}}

Currency:

{{price currency:\$}}
Enter a Name :
{{ name }}

The demo of above code.



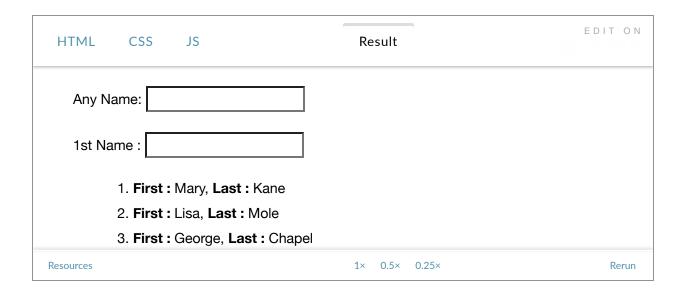
In case you have a JSON Object to filter you can always use a model. In order to filter the first name only, we can create model with modelname.first.

```
//HTML
// Controller code
 $scope.fullNameList=[
        first: 'Mary',
        last: 'Kane'
      },
      {
        first: 'Lisa',
        last:'Mole'
      },
      {
        first: 'George',
        last:'Chapel'
```

```
},

{
   first:'Chapel',
   last:'Hill'
}
```

Here is the demo.



#### **Custom Filter:**

We can create custom filters in angular using filter() function. Below we have created a greet filter.

```
// HTML
Greet Type :
```

```
Hello
```

```
{{name | greet:greetType}}
// JavaScript
module.filter('greet',function(){
  // The 2nd Parameter is the Greeting type
  return function(value,greetType){
    if(value!=""){
      var matches = value.match(/\d+/g);
      if (matches != null) {
          return value+" is not a name";
      }else{
        value=value[0].toUpperCase()
          +value.toLowerCase().substring(1,value.length);
        return greetType +" "+ value +" !";
      }
    }
    else
       return "Please enter a name";
  }
```

});

In the example here we have implemented few validations. Also, we are passing the Greet Type as a 2nd paramater. Try the demo below:



In case of ng-repeat, the value passed in filter will also be an Array.

There are many 3rd party filters already available. Check out this Angular-filter.

In this article we saw few examples of how to use filter in Angular JS. Hope this will provide the basic understanding on Filters. Let me know if you need help with any question on Angular Filter.

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