AngularJS--第三天 课程

过滤器的综合使用

```
<!DOCTYPE html>
<html ng-app="myApp">
<head>
    <meta charset="UTF-8">
    <title>Document</title>
    <script src="js/angular.min.js"></script>
    <script>
    var m1 = angular.module('myApp',[]);
    m1.controller('Aaa',["$scope",function($scope){
        $scope.name="HELLO";
    }]);
    </script>
</head>
<body>
    <div ng-controller='Aaa'>
        <p>{{ name | lowercase | limitTo : 3}}</p>
    </div>
</body>
</html>
```

之前是在双大括号的表达式中使用过滤器
在js中也可以用过滤器
案例一

```
<!DOCTYPE html>
<html ng-app="myApp">
<head>
    <meta charset="UTF-8">
    <title>Document</title>
    <script src="js/angular.min.js"></script>
    <script>
    var m1 = angular.module('myApp',[]);
    m1.controller('Aaa',["$scope","$filter",function($scope,$filter){

        $scope.name=$filter('lowercase')('HELLO');

    }]);
    </script>
</head>
<body>
    <div ng-controller='Aaa'>

        <p>{{ name }}</p>
    </div>
</body>
</html>
```

案例二

$scope.name=$filter('number')('1234567');

其他内容同上

如果想传参的话！

逗号后面是要传的参数
$scope.name=$filter('number')('1234567.2362',2);

这些都是通过$filter这个服务实现的功能。

自定义过滤器

通过module来实现自定义

m1.filter( )方法。

```html
<!DOCTYPE html>
<html ng-app="myApp">
<head>
    <meta charset="UTF-8">
    <title>Document</title>
    <script src="js/angular.min.js"></script>
    <script>
    var m1 = angular.module('myApp',[]);
    m1.filter('firstUp',function(){
      return function(str , num){
        // console.log(str);
        // 在自定义方法名称后面用  :传参的值 来实现传参
        // console.log(num);
        return str.charAt(0).toUpperCase() + str.substring(1);
        // return str.charAt(0).toUpperCase() + str.substring(1,4) + str.charAt(4).toUpperCase() + str.substring(5);
        // toUpperCase 方法返回一个字符串，该字符串中的所有字母都被转化为大写字母。
      }
    })
    m1.controller('Aaa',["$scope","$filter",function($scope,$filter){
        $scope.name='hello';
        // $scope.name='fengniao';
    }]);
    </script>
</head>
<body>
    <div ng-controller='Aaa'>
        <p>{{ name | firstUp : 4}}</p>
    </div>
</body>
</html>
```

```html
<!DOCTYPE html>
<html ng-app="myApp">
<head>
  <meta charset="UTF-8">
  <title>Document</title>
  <script src="js/angular.min.js"></script>
  <script>
  var m1 = angular.module('myApp',[]);
  m1.filter('firstUp',function(){
   return function(str , num){
     // console.log(str);
     // console.log(num);
     return str.charAt(0).toUpperCase() + str.substring(1);
     // return str.charAt(0).toUpperCase() + str.substring(1,4) + str.charAt(4).toUpperCase() + str.substring(5);
     // toUpperCase 方法返回一个字符串，该字符串中的所有字母都被转化为大写字母。
     //
   }
  })
  m1.controller('Aaa',["$scope","$filter",function($scope,$filter){
     $scope.name=$filter('firstUp')('hello');
     // $scope.name='fengniao';
  }]);
  </script>
</head>
<body>
  <div ng-controller='Aaa'>
    <p>{{ name | firstUp : 4}}</p>
  </div>
</body>
</html>
```

ng-repeat 指令

通过in的方式遍历集合每一项

案例一

```html
<!DOCTYPE html>
<html ng-app="myApp">
<head>
  <meta charset="UTF-8">
  <title>Document</title>
  <script src="js/angular.min.js"></script>
  <script>
  var m1 = angular.module('myApp',[]);
  m1.controller('Aaa',["$scope",function($scope){
    $scope.dataList=['img','index','news'];

  }]);
  </script>
</head>
<body>
  <div ng-controller='Aaa'>
```

```
      <ul>
        <li ng-repeat='data in dataList'>{{data}}</li>
      </ul>
    </div>
  </body>
</html>
```

案例二

```
<!DOCTYPE html>
<html ng-app="myApp">
<head>
  <meta charset="UTF-8">
  <title>Document</title>
  <script src="js/angular.min.js"></script>
  <script>
  var m1 = angular.module('myApp',[]);
  m1.controller('Aaa',["$scope",function($scope){
    $scope.dataList=[
      {name:'feng',age:'20'},
      {name:'niao',age:'40'},
      {name:'ke',age:'10'},
      {name:'ji',age:'30'}
    ];

  }]);
  </script>
</head>
<body>
  <div ng-controller='Aaa'>
    <table border="1">
     <tr>
       <th>姓名</th>
       <th>年龄</th>
     </tr>
     <tr ng-repeat='data in dataList'>
       <td>{{data.name}}</td>
       <td>{{data.age}}</td>
     </tr>
    </table>
  </div>
</body>
</html>
```

案例二（进阶1）

添加点击功能~进行排序

```
<!DOCTYPE html>
<html ng-app="myApp">
<head>
  <meta charset="UTF-8">
  <title>Document</title>
  <script src="js/angular.min.js"></script>
```

```
    <script>
    var m1 = angular.module('myApp',[]);
    m1.controller('Aaa',["$scope","$filter",function($scope,$filter){
        $scope.dataList=[
            {name:'feng',age:'20'},
            {name:'niao',age:'40'},
            {name:'ke',age:'10'},
            {name:'ji',age:'30'}
        ];
      $scope.dataSort = function(arg){
            $scope.dataList=$filter('orderBy')($scope.dataList , arg);
      };
    }]);
    </script>
</head>
<body>
    <div ng-controller='Aaa'>
      <table border="1">
        <tr>
          <th ng-click="dataSort('name')">姓名</th>
          <th ng-click="dataSort('age')">年龄</th>
        </tr>
        <tr ng-repeat='data in dataList'>
          <td>{{data.name}}</td>
          <td>{{data.age}}</td>
        </tr>
      </table>
    </div>
</body>
</html>
```

增加功能

```
// 加入正向排序和逆向排序功能
        arguments.callee['dataSort' +arg] = ! arguments.callee['dataSort' +arg];
        $scope.dataList=$filter('orderBy')($scope.dataList , arg , arguments.callee['dataSort' +arg]);
```

案例二（进阶2-1）

有缺陷！查询功能不完善！

```
<!DOCTYPE html>
<html ng-app="myApp">
<head>
    <meta charset="UTF-8">
    <title>Document</title>
    <script src="js/angular.min.js"></script>
    <script>
    var m1 = angular.module('myApp',[]);
    m1.controller('Aaa',["$scope","$filter",function($scope,$filter){
        $scope.dataList=[
            {name:'feng',age:'20'},
            {name:'niao',age:'40'},
            {name:'ke',age:'10'},
```

```
        {name:'ji',age:'30'}
      ];
    $scope.dataSort = function(arg){
        // $scope.dataList=$filter('orderBy')($scope.dataList , arg);


        // 加入正向排序和逆向排序功能
        arguments.callee['dataSort' +arg] = ! arguments.callee['dataSort' +arg];
        $scope.dataList=$filter('orderBy')($scope.dataList , arg , arguments.callee['dataSort' +arg]);


    };
        $scope.dataSearch = function(){
          $scope.dataList=$filter('filter')($scope.dataList , $scope.searchVal);
        }
  }]);
  </script>
</head>
<body>
  <div ng-controller='Aaa'>
    <input type="text" ng-model="searchVal"><input type="button" value="查询" ng-click="dataSearch()">
    <table border="1">
     <tr>
      <th ng-click="dataSort('name')">姓名</th>
      <th ng-click="dataSort('age')">年龄</th>
     </tr>
     <tr ng-repeat='data in dataList'>
      <td>{{data.name}}</td>
      <td>{{data.age}}</td>
     </tr>
    </table>
  </div>
</body>
</html>
```

案例二（进阶2-2）

```
<!DOCTYPE html>
<html ng-app="myApp">
<head>
  <meta charset="UTF-8">
  <title>Document</title>
  <script src="js/angular.min.js"></script>
  <script>
  var m1 = angular.module('myApp',[]);
  m1.controller('Aaa',["$scope","$filter",function($scope,$filter){

    var data1 = [
      {name:'feng',age:'20'},
      {name:'niao',age:'40'},
      {name:'ke',age:'10'},
      {name:'ji',age:'30'}
    ];
    $scope.dataList=data1;
  $scope.dataSort = function(arg){
```

```
        // $scope.dataList=$filter('orderBy')($scope.dataList , arg);


        // 加入正向排序和逆向排序功能
        arguments.callee['dataSort' +arg] = ! arguments.callee['dataSort' +arg];
        $scope.dataList=$filter('orderBy')($scope.dataList , arg , arguments.callee['dataSort' +arg]);


    };
        $scope.dataSearch = function(){
            $scope.dataList=$filter('filter')( data1 , $scope.searchVal);
        }
    }]);
    </script>
</head>
<body>
    <div ng-controller='Aaa'>
        <input type="text" ng-model="searchVal"><input type="button" value="查询" ng-click="dataSearch()">
        <table border="1">
         <tr>
            <th ng-click="dataSort('name')">姓名</th>
            <th ng-click="dataSort('age')">年龄</th>
         </tr>
         <tr ng-repeat='data in dataList'>
            <td>{{data.name}}</td>
            <td>{{data.age}}</td>
         </tr>
        </table>
    </div>
</body>
</html>
```

ng-repeat 指令
扩展部分

$index ： 得到相对应的索引号

```
<!DOCTYPE html>
<html ng-app="myApp">
<head>
    <meta charset="UTF-8">
    <title>Document</title>
    <script src="js/angular.min.js"></script>
    <script>
    var m1 = angular.module('myApp',[]);
    m1.controller('Aaa',["$scope",function($scope){
        $scope.dataList=['html','css','js','jq','angular'];

    }]);
    </script>
</head>
<body>
    <div ng-controller='Aaa'>
        <ul>
            <li ng-repeat='data in dataList'>{{ $index }}</li>
```

```
      </ul>
   </div>
</body>
</html>
```

$first ：第一个是真，其他的是假。

```
<ul>
      <li ng-repeat='data in dataList'>{{ $first }}</li>
 </ul>
```

$middle：第一个和最后一个是假，中间所有是真。

```
<li ng-repeat='data in dataList'>{{ $middle }}</li>
```

$last：最后一个是真，其他的是假。

```
<li ng-repeat='data in dataList'>{{ $last }}</li>
```

$even：奇数行是真true，偶数行是假false。

```
<li ng-repeat='data in dataList'>{{ $even }}</li>
```

$odd：偶数行是真true，奇数行是假false。

```
<li ng-repeat='data in dataList'>{{ $odd }}</li>
```

ng-repeat-start：开始循环
ng-repeat-end：结束循环

```
  <!-- ng-repeat-start 开始循环
             内  容
   ng-repeat-end  结束循环 -->

   <span ng-repeat-start="data in dataList">{{ data }}</span>
   <p>{{ data }}</p>
   <div ng-repeat-end>{{ data }}</div>
```