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Brief

Demonstrates on working with all the built-in filters which come by default with AngularJS

Description

The video covers the following:

- What are filters in AngularJS
- How to use various built-in filters available in AngularJS
- How to format numbers, currency, dates and times using AngularJS
- How to use AngularJS filters in HTML/templates/views
- How to use AngularJS filters in Controllers and Services
- How to filter grid data using filters in AngularJS

Source Code:

[a01.htm](#)

```
<html>
<head>
..
  <script type="text/javascript" src="a01.js"></script>
</head>
<body ng-app="app">
  <div ng-controller="emp">

    <form class="form-inline">
      <div class="form-group">
        <label>Enter Employee No:</label>
        <input type="text" class="form-control" ng-model="searchEmpno">
      </div>
      <button class="btn btn-primary" ng-click="doSearch()">Search</button>
    </form>

    <hr>
    <div class="row">
      <div class="col-sm-2">Employee No</div>
      <div class="col-sm-2">{{empno}}</div>
    </div>
    <div class="row">
      <div class="col-sm-2">Name</div>
      <!--
      <div class="col-sm-2">{{ename}}</div> -->
      <!--
      <div class="col-sm-2">{{ename | uppercase}}</div>-->
      <div class="col-sm-2">{{ENAME}}</div>
    </div>
    <div class="row">
      <div class="col-sm-2">Salary</div>
      <!--<div class="col-sm-2">{{sal}}</div>-->
      <div class="col-sm-2">{{sal | number:2}}</div>
      <!--<div class="col-sm-2">{{sal | currency:"USD ":0}}</div>-->
    </div>
    <span ng-if="sal > 7000" class="glyphicon glyphicon-warning-sign"></span>
    </div>
    <div class="row">
      <div class="col-sm-2">Hire Date</div>
      <!--
      <div class="col-sm-2">{{hiredate}}</div>-->
      <div class="col-sm-2">{{hiredate | date:'MM/dd/yyyy'}}</div>
    </div>
    <div class="row">
      <div class="col-sm-2">DOB</div>
      <!--
      <div class="col-sm-2">{{dob}}</div>-->
      <div class="col-sm-2">{{dob | date:'medium'}}</div>
    </div>
    <div class="row">
      <div class="col-sm-2">Department</div>
      <div class="col-sm-2">{{deptno}}</div>
    </div>
  </div>
</body>
</html>
```

[a01.js](#)

```
var app = angular.module("app", []);
app.controller('emp', ['$scope', 'empService', '$filter', function($scope, empService, $filter){
  $scope.doSearch = function(){
    empService.findEmployeeById($scope.searchEmpno, function(r){
      $scope.empno = r.empno;
      $scope.ename = r.ename;
      $scope.sal = r.sal;
      $scope.deptno = r.deptno;
      $scope.hiredate = r.hiredate;
      $scope.dob = r.dob;
      $scope.salAbove7k = parseInt(r.sal) > 7000;

      ////using uppercase filter in controller
      //var uppercaseFilter = $filter("uppercase");
      //$scope.ENAME = uppercaseFilter(r.ename);

      //getting uppercase ename from service
      $scope.ENAME = r.ENAME;
    });
  };
});

app.service('empService', ['$http', '$log', '$filter', function($http, $log, $filter){
  this.findEmployeeById = function(empno, cb){
    $http({
      url: 'http://localhost:8000/api/employees/' + empno,
      method: 'GET'
    }).then(function(resp){
      //$log.log(resp.data);

      //using uppercase filter in service
      var uppercaseFilter = $filter("uppercase");
      resp.data.ENAME = uppercaseFilter(resp.data.ename);

      cb(resp.data);
    },function(resp){
      $log.error("ERROR occurred");
    });
  };
});
```

[a02.htm](#)

```
<html>
<head>
..
  <script type="text/javascript" src="a02.js"></script>
</head>
<body ng-app="app">
  <div ng-controller="emp">
    Quick Search:
    <input ng-model="qSearchText" /><br>
    Quick Dept:
    <input ng-model="qSearchDept" />
    <table class="table table-striped table-bordered table-condensed">
      <thead>
        <tr>
          <th>#</th>
          <th>Name</th>
          <th>Salary</th>
          <th>Dept</th>
        </tr>
      </thead>
      <!--<tr ng-repeat="oEmp in employees | filter:qSearchText">-->
      <!--<tr ng-repeat="oEmp in employees | filter: {ename: qSearchText, deptno: qSearchDept}">-->
      <tr ng-repeat="oEmp in employees | orderBy: '-ename' | filter: {ename: qSearchText}">
        <td>{{oEmp.empno}}</td>
        <td>{{oEmp.ename}}</td>
        <td>
          {{oEmp.sal}}
          <span ng-if="oEmp.sal > 7000" class="glyphicon glyphicon-warning-sign"></span>
        </td>
        <td>{{oEmp.deptno}}</td>
      </tr>
    </table>
  </div>
</body>
</html>
```

[a02.js](#)

```
var app = angular.module("app", []);
app.controller('emp', ['$scope', 'empService', function($scope, empService){
  empService.getEmployees(function(r){
    $scope.employees = r;
  });
});

app.service('empService', ['$http', '$log', function($http, $log){
  this.getEmployees = function(cb){
    $http({
      url: 'http://localhost:8000/api/employees',
      method: 'GET'
    }).then(function(resp){
      //$log.log(resp.data);
      cb(resp.data);
    },function(resp){
      $log.error("ERROR occurred");
    });
  };
});
```

AngularJS: How to work with "Filters"

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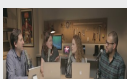
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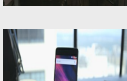
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