

17CS2025 Web Technology Lab

Ex. 9. Working with ANGULARJS

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Date:

AngularJS is an open JavaScript framework developed and maintained by Google. It implements the MVC (Model View Controller) pattern to separate data, presentation and logical components.


1. Simple Comment box using controller

```
<body>
  <div id='dv1'>
    <form ng-controller="FrmController">
      Post your Comment
      <form ng-controller="FrmController">
        <textarea      ng-model="txtcomment"      placeholder="Your      Comment"
style='width:550px'></textarea>
        <button ng-click='btn_add();' style='margin-top:10px;'>Post Comment</button>
        <h4>Comments</h4>
        <ul>
          <li ng-repeat="comnt in comment"> {{ comnt }} <a style="float: right;" href=""
ng-click="remItem($index)">x</a></li>
        </ul>
      </form>
    </div>
    <script type="text/javascript">
      function FrmController($scope) {
        $scope.comment = [];
        $scope.btn_add = function() {
          if($scope.txtcomment !="){
            $scope.comment.push($scope.txtcomment);
            $scope.txtcomment = "";
```

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```
    }  
  }  
  
  $scope.removeItem = function($index) {  
    $scope.comment.splice($index, 1);  
  }  
}  
</script>  
</body>
```

Output:



The screenshot shows a web application interface. At the top, it says "Post your Comment". Below this is a text input field with the placeholder text "Your Comment". Underneath the input field is a button labeled "Post Comment". Below the button, there is a section titled "Comments" which is currently empty.

2. Simple calculator

calculator.html

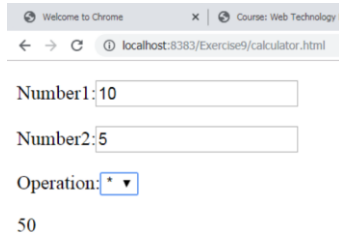
```
<script src= "angular.min.js"></script>  
<script src= "calculator.js"></script>  
<div ng-app="CalculatorApp" ng-controller="CalculatorController">  
  <p><input type="number" ng-model="a"></p>  
  <p><input type="number" ng-model="b"></p>  
  <p><select ng-model="operator">  
    <option>+</option>  
    <option>*</option>  
    <option>-</option>  
    <option>/</option>  
  </select></p>  
  <p>{{ result() }}</p>  
</div>
```

calculator.js

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```
angular.module('CalculatorApp', [])
.controller('CalculatorController', function($scope) {
    $scope.result = function() {
        if ($scope.operator == '+') {
            return $scope.a + $scope.b;
        }
        if ($scope.operator == '-') {
            return $scope.a - $scope.b;
        }
        if ($scope.operator == '*') {
            return $scope.a * $scope.b;
        }
        if ($scope.operator == '/') {
            return $scope.a / $scope.b;
        }
    };
});
```

Output:



Number1: 10

Number2: 5

Operation: *

50

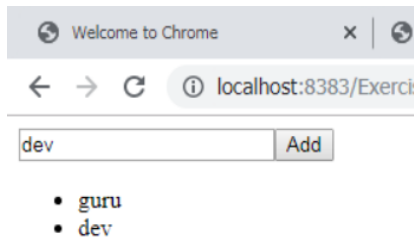
3. Simple todo list

```
<script>
angular.module('todoApp', [])
.controller('todoController', function($scope){
    $scope.tasks = [];
    $scope.add = function() {
        $scope.tasks.push($scope.title);
    }
})
```

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```
</script>
<div ng-app="todoApp" ng-controller="todoController">
  <input ng-model="title"><button ng-click="add()">Add</button>
  <ul>
    <li ng-repeat="t in tasks">{{ t }}</li>
  </ul>
</div>
```

Output:



Result:

The above code is executed and output is verified.

Web site URL: <http://urk17cs127.rf.gd/Exercise9/>

You tube URL: <https://youtu.be/OjYIqtkdah0>