**Practical No.01: Demonstrate simple Hello World Program Using Angular**

```
<!DOCTYPE html>
<html>
 <head>
  <script src="https://ajax.googleapis.com/ajax/libs/angularjs/1.8.2/angular.min.js"></script>
 </head>
 <body ng-app="">
  <h1>Hello {{name}}</h1>
  <input type="text" ng-model="name" placeholder="Enter name">
 </body>
</html>
```

**Practical No.02:Demostrate angular js script to implement Built-in Directives**

```
<!DOCTYPE html>
<html ng-app="">
 <head>
  <script src="https://ajax.googleapis.com/ajax/libs/angularjs/1.8.2/angular.min.js"></script>
 </head>
 <body>
  <input type="text" ng-model="name">
  <p ng-bind="name"></p>
  <p ng-show="name">This appears when you type something!</p>
  <p ng-hide="name">This is hidden when you type something!</p>
 </body>
</html>
```

**Practical No.03:Demonstrate AngularJS script to add Modules and Controller**

```html
<!DOCTYPE html>
<html ng-app="myApp">
 <head>
  <script src="https://ajax.googleapis.com/ajax/libs/angularjs/1.8.2/angular.min.js"></script>
  <script>
   var app = angular.module("myApp", []);
   app.controller("myCtrl", function($scope) {
    $scope.name = "Pooja";
   });
  </script>
 </head>
 <body ng-controller="myCtrl">
  <h2>Hello {{name}}</h2>
 </body>
</html>
```

**Practical No.04** :**Use ng-init, ng-model, ng-bind, directives to display current date and comment, class**

```html
<!DOCTYPE html>
<html ng-app="">
 <head>
  <style>
   .highlight {
    color: green;
    font-weight: bold;
   }
  </style>
  <script src="https://ajax.googleapis.com/ajax/libs/angularjs/1.8.2/angular.min.js"></script>
 </head>
 <body ng-init="currentDate = (new Date())">
```

```html
<!-- Using ng-model -->
<input type="text" ng-model="comment" placeholder="Enter Comment">
<!-- Using ng-bind -->
<p>Your comment: <span ng-bind="comment"></span></p>
<!-- Display Date -->
<p class="highlight">Current Date: {{currentDate | date:'fullDate'}}</p>
<!-- ng-class Example -->
<p ng-class="{'highlight': comment}">Class is applied if comment is typed.</p>
<!-- Comment -->
<!-- This is an HTML comment inside AngularJS -->
</body>
</html>
```

**Practical No.5: Demonstrate number, currency, uppercase and lowercase filters**

```html
<!DOCTYPE html>
<html ng-app="">
 <head>
  <script src="https://ajax.googleapis.com/ajax/libs/angularjs/1.8.2/angular.min.js"></script>
 </head>
 <body ng-init="price=1234.56; name='AngularJS'">
  <p>Number: {{price | number}}</p>
  <p>Currency: {{price | currency}}</p>
  <p>Uppercase: {{name | uppercase}}</p>
  <p>Lowercase: {{name | lowercase}}</p>
 </body>
</html>
```

**Practical No. 6: Write AngularJS app for displaying current date in 10 different formats using date filter**

```
<!DOCTYPE html>

<html ng-app="">

 <head>

  <script src="https://ajax.googleapis.com/ajax/libs/angularjs/1.8.2/angular.min.js"></script>

 </head>

 <body ng-init="now = (new Date())">

  <p>Full Date: {{now | date:'fullDate'}}</p>

  <p>Short Date: {{now | date:'shortDate'}}</p>

  <p>Medium Date: {{now | date:'mediumDate'}}</p>

  <p>Long Date: {{now | date:'longDate'}}</p>

  <p>Short: {{now | date:'short'}}</p>

  <p>Medium: {{now | date:'medium'}}</p>

  <p>yyyy-MM-dd: {{now | date:'yyyy-MM-dd'}}</p>

  <p>dd/MM/yyyy: {{now | date:'dd/MM/yyyy'}}</p>

  <p>MMM d, y: {{now | date:'MMM d, y'}}</p>

  <p>EEEE, MMMM d, y: {{now | date:'EEEE, MMMM d, y'}}</p>

 </body>
</html>
```

**Practical No.7: Write AngularJS app to sort array object data in ascending and descending using orderBy filter**

```
<!DOCTYPE html>

<html ng-app="myApp">

<head>

 <script src="https://ajax.googleapis.com/ajax/libs/angularjs/1.8.2/angular.min.js"></script>

</head>

<body ng-controller="myCtrl">

 <h3>Sort Student Marks</h3>

 <select ng-model="orderByField">
```

```html
      <option value="name">Name Asc</option>

      <option value="-name">Name Desc</option>

      <option value="marks">Marks Asc</option>

      <option value="-marks">Marks Desc</option>

    </select>


    <ul>

      <li ng-repeat="student in students | orderBy:orderByField">

        {{student.name}} - {{student.marks}}

      </li>

    </ul>


    <script>

      angular.module("myApp", []).controller("myCtrl", function($scope) {

        $scope.students = [

          {name: "Pooja", marks: 75},

          {name: "Amit", marks: 90},

          {name: "Neha", marks: 65}

        ];

      });

    </script>


</body>

</html>
```

**Practical No.08: Demonstrate simple form using AngularJS script**

```html
<!DOCTYPE html>
<html ng-app="">
<head>
 <script src="https://ajax.googleapis.com/ajax/libs/angularjs/1.8.2/angular.min.js"></script>
</head>
<body>


 <form>
   Name: <input type="text" ng-model="name"><br>
   Email: <input type="email" ng-model="email"><br>
   <p>Hello {{name}}</p>
   <p>Your email: {{email}}</p>
 </form>
</body>
</html>
```

**Practical No. 9: Angular program to input first name and last name, and display full name**

```html
<!DOCTYPE html>
<html ng-app="">
<head>
 <script src="https://ajax.googleapis.com/ajax/libs/angularjs/1.8.2/angular.min.js"></script>
</head>
<body>


 <h3>Full Name Display</h3>
 First Name: <input type="text" ng-model="firstName"><br>
 Last Name: <input type="text" ng-model="lastName"><br>
 <p>Full Name: {{firstName + " " + lastName}}</p>
</body>
</html>
```

**Practical No.10: Simple Angular calculator (add, subtract, multiply, divide)**

```
<!DOCTYPE html>
<html ng-app="calcApp">
<head>
  <script src="https://ajax.googleapis.com/ajax/libs/angularjs/1.8.2/angular.min.js"></script>
</head>
<body ng-controller="calcCtrl">

  <h3>Simple Calculator</h3>
  Number 1: <input type="number" ng-model="num1"><br>
  Number 2: <input type="number" ng-model="num2"><br><br>

  <button ng-click="result = num1 + num2">Add</button>
  <button ng-click="result = num1 - num2">Subtract</button>
  <button ng-click="result = num1 * num2">Multiply</button>
  <button ng-click="result = num1 / num2">Divide</button>

  <p>Result: {{result}}</p>

  <script>
    angular.module("calcApp", []).controller("calcCtrl", function($scope) {
      $scope.num1 = 0;
      $scope.num2 = 0;
    });
  </script>

</body>
</html>
```

**Practical No.11: Angular app to calculate factorial and square of input**

```
<!DOCTYPE html>
```

```html
<html ng-app="mathApp">
<head>
  <script src="https://ajax.googleapis.com/ajax/libs/angularjs/1.8.2/angular.min.js"></script>
</head>
<body ng-controller="mathCtrl">

  <h3>Factorial and Square Calculator</h3>
  Enter Number: <input type="number" ng-model="num"><br><br>

  <button ng-click="calculate()">Calculate</button>

  <p>Square: {{square}}</p>
  <p>Factorial: {{factorial}}</p>

  <script>
    angular.module("mathApp", []).controller("mathCtrl", function($scope) {
      $scope.calculate = function() {
        let n = $scope.num;
        $scope.square = n * n;

        let fact = 1;
        for (let i = 1; i <= n; i++) {
          fact *= i;
        }
        $scope.factorial = fact;
      };
    });
  </script>
</body>
</html>
```