Practical 7

Exercise:- Create an application using Filters (uppercase,lowercase,filter filter, orderby)

Program:- uppercase , lowercase filter

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <!-- <script
src="https://ajax.googleapis.com/ajax/libs/d3js/7.8.5/d3.min.js"></script> -->
    <script
src="https://cdnjs.cloudflare.com/ajax/libs/angular.js/1.8.3/angular.min.js"></script>

    <title>Document</title>
</head>
<body>
    <div ng-app="" >

    <h1>Name: <input type="text" ng-model="name"></h1>
    <H1>Output : {{ name | uppercase }}</H1>
    <h1>Output : {{ name | lowercase }}</h1>

    <h1>Currency: <input type="text" ng-model="cur"></h1>
    <h1>In Dolar : {{ cur | currency }}</h1>

</body>
</html>
```

Output:-

Program:- filter filter

filter.html

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <!-- <script
src="https://ajax.googleapis.com/ajax/libs/d3js/7.8.5/d3.min.js"></script> -->
    <script
src="https://cdnjs.cloudflare.com/ajax/libs/angular.js/1.8.3/angular.min.js"></script>
    <!-- <script src="./angular.min.js"></script> -->
    <script src="./filterJS.js"></script>
    <title>Document</title>
</head>
<body>
        <div ng-app="firstapp" ng-controller="firstCTR">

        <h1>Apply Filter: <input type="text" ng-model="test"></h1>
        <li ng-repeat="x in colors | filter:test">
            {{x}}
        </li>
        </div>
</body>
</html>
```

filter.js

```
var app=angular.module('firstapp',[]).controller('firstCTR',function($scope){
    $scope.colors=[
        'red',
        'blue',
        'green',
        'yellow',
        'pink',
        'orange',
        'purple'
    ];

})
```

Output:-

Before Any Filter

After Applying Filter ('l')

After Applying Filter ('e')

Program:- orderBy filter

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <!-- <script
src="https://ajax.googleapis.com/ajax/libs/d3js/7.8.5/d3.min.js"></script> -->
    <script
src="https://cdnjs.cloudflare.com/ajax/libs/angular.js/1.8.3/angular.min.js"></script>
    <!-- <script src="./angular.min.js"></script> -->

    <title>Document</title>
</head>
<body>
    <div ng-app="ap1" ng-controller="CTR1">
        <table border="5" width="100%">
          <tr>
            <th ng-click="orderByMe('cars')"><h3>Cars</h3></th>
            <th ng-click="orderByMe('price')"><h3>Price</h3></th>
          </tr>
          <tr ng-repeat="x in names | orderBy:myOrder">
            <td>{{x.cars}}</td>
            <td>{{x.price}}</td>
          </tr>
        </table>
    </div>
    <script>
        angular.module('ap1',[]).controller('CTR1',function($scope){
          $scope.names=[
            {cars:'BMW',price:'2cr'},
            {cars:'NISSAN',price:'8cr'},
            {cars:'BUGATI',price:'9cr'},
            {cars:'AUDI',price:'6cr'},
            {cars:'MESARATI',price:'5cr'},
            {cars:'VOLVO',price:'3cr'},
            {cars:'FORD',price:'1cr'},
            {cars:'LAMBO',price:'5cr'},
            {cars:'PORSCHE',price:'1cr'}
          ];
          $scope.orderByMe=function(x){
            $scope.myOrder=x;
          }
        })
    </script>
</body>
</html>
```
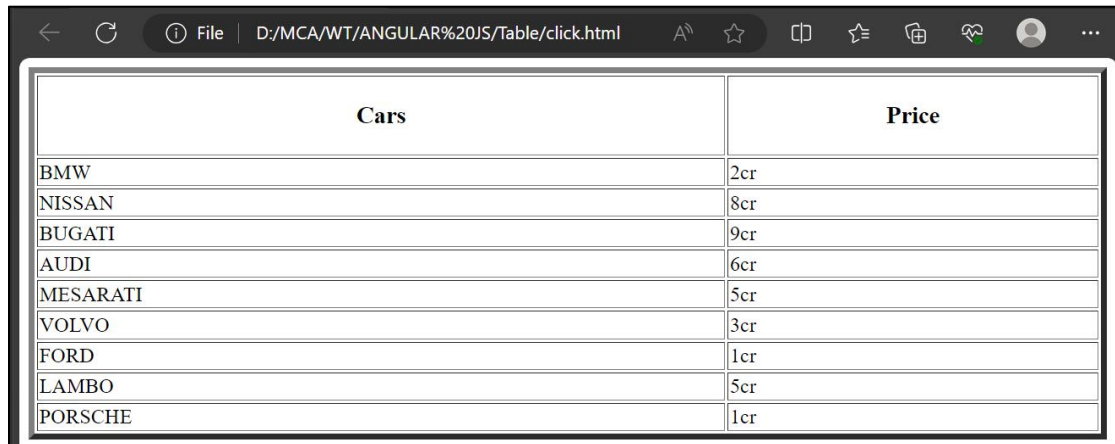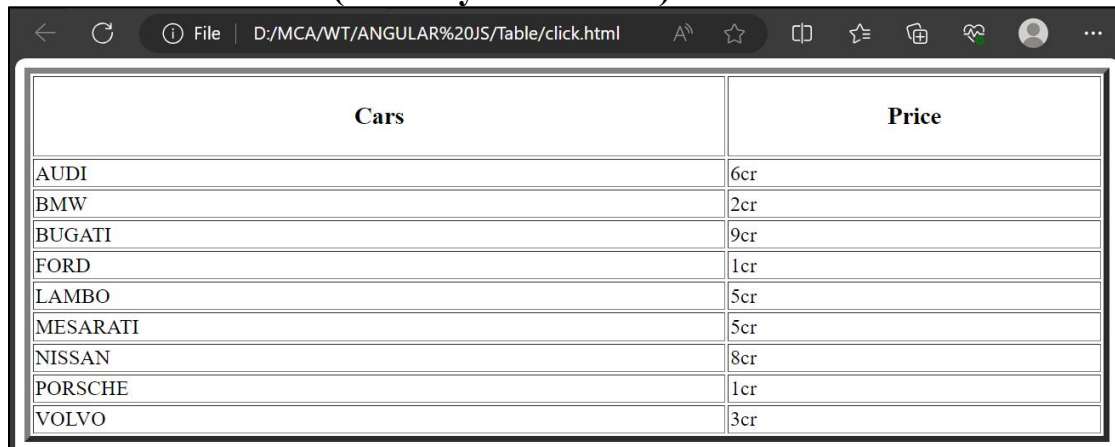
Output:-

Before Click on Cars and Price

Cars	Price
BMW	2cr
NISSAN	8cr
BUGATI	9cr
AUDI	6cr
MESARATI	5cr
VOLVO	3cr
FORD	1cr
LAMBO	5cr
PORSCHE	1cr
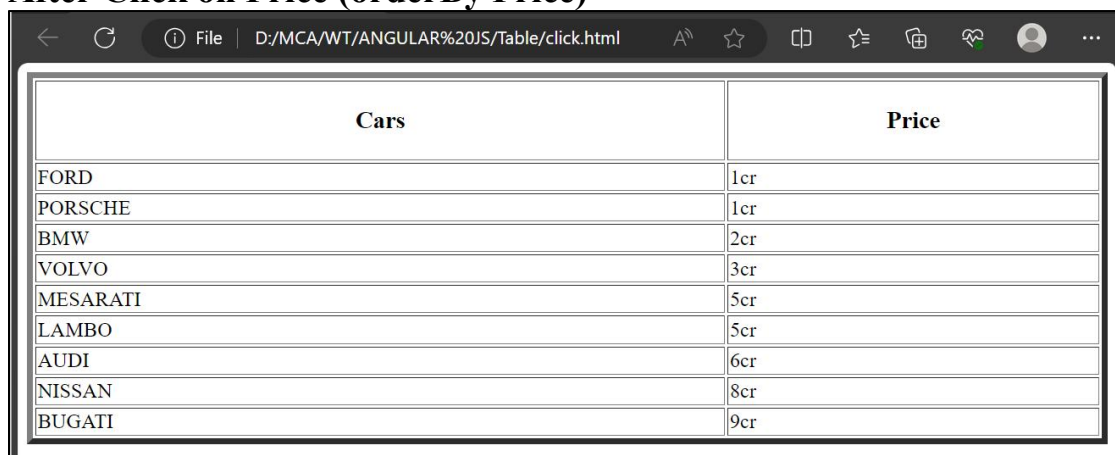
After Click on Cars (orderBy Cars name)

Cars	Price
AUDI	6cr
BMW	2cr
BUGATI	9cr
FORD	1cr
LAMBO	5cr
MESARATI	5cr
NISSAN	8cr
PORSCHE	1cr
VOLVO	3cr

After Click on Price (orderBy Price)

Cars	Price
FORD	1cr
PORSCHE	1cr
BMW	2cr
VOLVO	3cr
MESARATI	5cr
LAMBO	5cr
AUDI	6cr
NISSAN	8cr
BUGATI	9cr