**Write a angularJS program to implement two way binding**

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta http-equiv="X-UA-Compatible" content="IE=edge">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Angular 1</title>

    <script src="./angular-1.8.2/angular.js"></script>

    <script>

        const myApp = angular.module("myApp",[])

        myApp.controller('myController1',function ($scope){

            $scope.custName = "customer1"

            $scope.custCode = 1234

            $scope.showMsg = function (msg){

                alert(msg)

            }

        });

        myApp.controller("myController2",function($scope){

            $scope.custName = "customer2"

            $scope.custCode = 5678

            $scope.showMsg = function (msg){

                alert(msg)

            }

        })

    </script>

</head>

<body>

    <body ng-app="myApp">

    <div ng-controller="myController1">

        Customer name :<input type="text" ng-model="custName"/>

        <br>

        Customer-code :<input type="text" ng-model="custCode"/>

        <br>

        {{ custName}} &nbsp {{custCode}}

        <br>

        <input type="button" value="Click" ng-click="showMsg(custName)">

    </div>

    <div ng-controller="myController2">

        Customer name :<input type="text" ng-model="custName"/>

        <br>

        Customer-code :<input type="text" ng-model="custCode"/>

        <br>

        {{ custName}} &nbsp {{custCode}}

        <br>

        <input type="button" value="Click" ng-click="showMsg(custName)">

    </div>

    </body>

</body>

</html>

**Create an array of numbers , array of objects and use ng-repeat directive and display numbers and array of objects with alternate background color**

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <title>Angular 2</title>

  <script src="angular-1.8.2/angular.js">

  </script>

</head>

<body ng-app>

    <div ng-init="arrayNumber=[100,200,300,400];

                  emaployees=[

                  {fName:'Akhil',lName:'Sharma'},

                  {fName:'Rashmi',lName:'Shetty'}

                  ]">

        <table border="1" >

          <tr>

            <th>

              fName

            </th>

            <th>

              lName

            </th>

          </tr>

          <tr ng-repeat="e in emaployees">

              <td ng-if="$even" style="background: #2a6496">

                {{e.fName}}

              </td>

            <td ng-if="$even" style="background: #c9e2b3">

                {{e.lName}}

              </td>

            <td ng-if="$odd" style="background: springgreen">

              {{e.fName}}

            </td>

            <td ng-if="$odd" style="background: orange">

              {{e.lName}}

            </td>

          </tr>

        </table>

    </div>

</body>

</html>

**Write a angularJS program to demonstrate the use of ng-readonly, ng-disabled ,ng-if directives**

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <title>Angular 03</title>

    <script src="./angular-1.8.2/angular.js"></script>

</head>

<body ng-app ng-init="checked=true">

  <p>

    Click me : <input type="checkbox" ng-model="checked">

  </p>

<p>

  New :<input type="text" ng-if="checked"/>

</p>

<p>

    Read only : <input type="text" ng-readonly="checked" value="This is read only" />

</p>

<p>

    Disabled : <input type="text" ng-disabled="checked" value="This is disabled one"/>

</p>

</body>

</html>

**Write a angularjs program to create custom directive “ my directive” to display AIMIT. And also demonstrate the use of different kind of restriction like E,A,M**

<!DOCTYPE html>

<html lang="en">

<head>

    <title>Angular 4</title>

    <script src="angular-1.8.2/angular.js"></script>

    <script>

        let app = angular.module("myApp", [])

        app.directive("myDirective", function () {

            return {

                restrict: "EA",

                replace: true,

                template: "<H1>HELLO WORLD</H1>"

            }

        });

    </script>

</head>

<body ng-app="myApp">

    <br>

    <p>

        Element name:<my-directive></my-directive>

    </p>

    <p>

        Attribute name : <div my-Directive></div>

    </p>

</body>

</html>

Write a AngulaJS program to demonstrate controllers. Create a AngularJs controller called “myContoller” attach a message and method/behavior to display message

<!DOCTYPE html>

<html lang="en">

<head>

  <title>Angular 5</title>

  <script src="angular-1.8.2/angular.js"></script>

  <script>

    let app = angular.module("myApp",[])

    app.controller('myController',function ($scope){

      $scope.message = "HELLO WORLD"

    })

  </script>

</head>

<body ng-app="myApp">

    <h3 ng-controller="myController">

      {{message}}

    </h3>

</body>

</html>

Write a angulaJS program to demonstrate $scope and $rootscope objects

<!DOCTYPE html>

<html lang="en">

<head>

    <title>Angular 6</title>

    <script src="angular-1.8.2/angular.js"></script>

    <script>

        let app = angular.module("myApp", [])

        app.controller("myController1", function ($scope, $rootScope){

            $scope.msg = "AIMIT";

            $rootScope.mainMsg="Beeri,Mangalore"

        })

        app.controller("myController2", function ($scope ){

            $scope.msg = "ALOYSIUS";

        })

        app.controller("myController3", function ($scope ){

        })

    </script>

</head>

<body ng-app="myApp">

    <div ng-controller="myController1">

        <p>{{msg}}</p>

        <p>{{mainMsg}}</p>

    </div>

    <br>

    <div ng-controller="myController2">

        <p>{{msg}}</p>

        <p>{{mainMsg}}</p>

    </div>

    <br>

    <div ng-controller="myController3">

        <p>{{msg}}</p>

        <p>{{mainMsg}}</p>

    </div>

    <br>

</body>

</html>

**Write a AngulaJS program to demonstrate filters. Create a list of students objects ( name,course marks) and a) display students details in the ascending order of marks**

**a)based on the input (textfield) display students names which contains inputted text in their name**

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <title>Angular 7 </title>

  <script src="angular-1.8.2/angular.js"></script>

</head>

<body ng-app>

        Enter Amount : <input type="text" ng-model="amount"/>

          <br>

        number : 4 {{1111 | number}}<br>

        number | number = {{amount | number}}<br>

        Number 4 {{amount |number:4}}<br>

        Number 6 {{amount |number:6}}<br>

      <div ng-init="kk=['sanya','Shree','sam'];student=[

                        { name:'Joy',marks:'88',course:'MCA'},

                        { name:'Ram',marks:'68',course:'MBA'},

                        { name:'Sham',marks:'98',course:'Msc'}

                        ]">

          <p>

              Ascending order marks

          </p>

         <ul>

             <li ng-repeat="x in student | orderBy:'marks'" >

                    {{x.name}}

             </li>

         </ul>

          <br>

          <p>

              Enter the course <input type="text" ng-model="cCourse"/>

              <br>

          <li ng-repeat="x in student | filter:cCourse" >

              {{x.name}}

          </li>

          </p>

      </div>

</body>

</html>

**Write a AngulaJS program to demonstrate custom filters. Create a custom filter to display every even index string in CAPITAL letters and ODD index String in SMALL letters**

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <title>Angular 7</title>

  <script src="angular-1.8.2/angular.js"></script>

  <script>

    var app = angular.module("myApp",[])

    app.filter("myFilter",function (){

      return function (inputText){

        var i,text,c;

        text="";

        for(i=0;i<inputText.length;i++){

          c = inputText[i]

          if(i%2 == 0){

            c = c.toUpperCase()

          }else{

            c= c.toLowerCase()

          }

          text += c;

        }

        return text

      }

    })

  </script>

</head>

<body ng-app="myApp">

    <p ng-init="cityName=['manglore','Banglore']">

      <ul>

      <li ng-repeat="c in cityName">

        {{c |myFilter}}

      </li>

    </ul>

    </p>

</body>

</html>

**Write a AngulaJS program to demonstrate Builtin services**

**$interval → display current running time in the fashion HOURS :: MINUTES::SECONDS AM/PM using $interval**

**$timeout -> agularjs program to change message using $timeout service.**

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <title>Angular 9</title>

    <script src="angular-1.8.2/angular.js"></script>

    <script>

        var app = angular.module("myApp", [])

        app.controller('myController', function ($scope, $location, $timeout, $interval) {

            $scope.curTime = new Date();

            $timeout(function () {

                $scope.myHeader = "How are you ?"

            }, 2000);

            $interval(function () {

                $scope.curTime = new Date()

            }, 2000)

        })

    </script>

</head>

<body ng-app="myApp">

<p ng-controller="myController">

    {{myHeader}}

    {{curTime}}

</p>

</body>

</html>

**Create a custom service hexafy to convert number into hexadecimal function. And write an angularJS program to demonstrate how to use a custom service hexafy**

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <title>Angular 10 </title>

  <script src="angular-1.8.2/angular.js"></script>

  <script>

    var app = angular.module("myApp", [])

    app.controller('myController', function ($scope,hexafy){

      $scope.t1 = 255

      $scope.convHexa = function (){

        $scope.hexd = hexafy.myFun(parseInt($scope.t1))

      }

    })

    app.service("hexafy",function (){

      this.myFun = function (x){

        return x.toString(16).toUpperCase();

      }

    })

  </script>

</head>

<body ng-app="myApp" >

  <p ng-controller="MyController" >

    Enter the Decimal result : <input type="text" name="t1" ng-model="t1"/>

    <br>

    <input type="button"  ng-click="convHexa()" value="Convert"/>

    <br>

    Result is : {{hexd}}

  </p>

</body>

</html>

**Create a custom service arithmentic with add,sub,mult and square of a given number. And write an angularJS program to demonstrate how to use a custom service arithmetic**

<!DOCTYPE html>

<html lang="en">

<head>

  <meta charset="UTF-8">

  <title>Angular 11 </title>

  <script src="angular-1.8.2/angular.min.js"></script>

  <script>

    var app = angular.module("myApp", [])

    app.service("Arthmatic",function (){

      this.addNo=function (x,y){

        x = parseInt(x);

        y = parseInt(y);

        return x+y;

      }

      this.subNo= function (x,y){

        return (parseInt(x)-parseInt(y));

      }

    })

    app.controller("myController",function ($scope,Arthmatic){

      $scope.addNumber = function (){

              $scope.result = Arthmatic.addNo($scope.t1,$scope.t2)

      }

      $scope.subNumber = function (){

              $scope.result = Arthmatic.subNo($scope.t1,$scope.t2)

      }

    })

  </script>

</head>

<body ng-app="myApp" ng-controller="myController">

  <p >

    <br>

    <input type="text" ng-model="t1" name="t1"><br>

    <input type="text" ng-model="t2" name="t2"><br>

    <button ng-click="addNumber()">

      ADD

    </button>

    <br>

    <br>

    <button ng-click="subNumber()">

      SUB

    </button>

    <br>

    <h1>

    {{result}}

  </h1>

  </p>

</body>

</html>

**Write a angularJS program to demonstrate angularjs-mouse events**

**ng-mouseover , ng-mouseenter , ng-mousemove , ng-mouseleave , ng-mousedown**

**ng-mouseup , ng-click**

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <title>Angular 12 </title>

    <script src="angular-1.8.2/angular.js">

    </script>

  <script>

    var app = angular.module("myApp", [])

    app.controller("myController",function ($scope){

      $scope.count = 0;

      $scope.myFunction = function (){

        $scope.count +=1

      }

    })

  </script>

</head>

<body ng-app="myApp">

  <div ng-controller="myController">

    <textarea ng-focus="count =count+1">AIMIT</textarea>

    <h1>{{count}}</h1>

    <h3 ng-mouseover="count =count+1">

      Mouse Over

    </h3>

    <br>

    <h3 ng-mouseenter="count =count+1">

      Mouse center

    </h3>

    <br>

    <h3 ng-mousemove="count =count+1">

      Mouse MOve

    </h3>

    <br>

    <h3 ng-mouseleave="count =count+1">

      Mouse leave

    </h3>

    <br>

    <h3 ng-mousedown="count =count+1">

      Mouse Down

    </h3>

    <br>

    <h3 ng-mouseup="count =count+1">

      Mouse up

    </h3>

  </div>

</body>

</html>

**Write a angularJS program to demonstrate angularjs-key events**

**-- ng-dblclick ,ng-focus, ng-keydown , ng-keypress, ng-keyup**

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <title>Angular 13</title>

  <script src="angular-1.8.2/angular.js"></script>

</head>

<body ng-app>

    <textarea ng-focus="count=count+1">AIMIT</textarea>

      {{count}}

      <br>

      <h3 ng-dblclick="count =count+1" ng-init="count=0">

        dbclick demo

      </h3>

<h3>

  Focus on key <input ng-focus="count =count+1" ng-init="count=0" type="text">

</h3>

<br>

<h3>

  Press down key : <input type="text" ng-keydown="count =count+1" ng-init="count=0"/>

</h3>

<br>

<h3>

  press Any key :<input type="text" ng-keypress="count =count+1" ng-init="count=0"/>

</h3>

<br>

<h3>

  Press up key : <input type="text" ng-keyup="count =count+1" ng-init="count=0">

</h3>

</body>

</html>

**Create a form to read user first name, last name, phone no ,address, and user message.**

**Incorporate all required validations using angularJS. To display error message use ng-show nd ng-messages directives**

<!DOCTYPE html>

<html lang="en">

<head>

  <title>Angular 13</title>

  <script src="angular-1.8.2/angular.js"></script>

  <script src="angular-1.8.2/angular-messages.js"></script>

  <script>

    let app = angular.module("myApp",['ngMessage']);

  </script>

</head>

<body ng-app="myApp">

<form name="myForm">

  <label>

    Enter the name:

  </label>

  <input type="text" name="firstName" ng-model="firstName" required/>

  <span style="color: red" ng-show="myForm.fName.$error.required">

      This field is required

    </span>

  <br>

  <label>

    Enter the Address:

  </label>

  <textarea ng-model="address" name="add" ng-minlength="20" ng-maxlength="50"></textarea>

  <span style="color: red" ng-show="myForm.add.$error.minlength">

      20 character required

    </span>

  <span style="color: red" ng-show="myForm.add.$error.maxlength">

      below 50 character allowed

    </span>

  <br>

</form>

</body>

</html>

**Write a angularJS program to demonstrate Arrays**

**Adding, deleting and ordering of items added to the cart**

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <title>Title</title>

    <script src="angular-1.8.2/angular.js"></script>

    <script>

        let app = angular.module('myApp',[])

        app.controller('myController',function ($scope){

            $scope.items = ["item7","item2","item4","item0"]

            $scope.delItem = function (n){

                $scope.items.splice(n,1)

            }

            $scope.addItem = function (n){

                $scope.items.push($scope.it1);

            }

            $scope.revItem = function (){

                $scope.items.reverse();

            }

            $scope.sortItem = function (){

                $scope.items.sort();

            }

        })

    </script>

</head>

<body ng-app="myApp">

   <div ng-controller="myController">

       <ol>

           <li ng-repeat="x in items"> {{ x }} </li>

       </ol>

       <br>

       Enter item to inserted : <input type="text" ng-model="it1"/>

       <button ng-click="addItem()">Insert</button>

       <button ng-click="delItem($index)">delete</button>

       <button ng-click="revItem()">Reverse</button>

       <button ng-click="sortItem()">SORT</button>

   </div>

</body>

</html>

**Write a AJAX Program to Read data from the remote file and display.**

<!DOCTYPE html>

<html lang="en">

<head>

    <title> Angular 16</title>

    <script src="angular-1.8.2/angular.js"></script>

    <script>

        var app = angular.module("myApp",[])

        app.controller("myController",function ($scope,$http){

            $http.get("index.html").then(function (response){

                $scope.myResponse = response.data

            },function (response){

                $scope.myResponse = "eror"

            })

        })

    </script>

</head>

<body ng-app="myApp">

    <p ng-controller="myController">

        {{myResponse}}

    </p>

</body>

</html>

**Index.html**

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <title>Exmple</title>

</head>

<body>

    <h1>

      HELLO FROM index.html file

    </h1>

</body>

</html>

**Write a program to Read data from the JSON file and display**

<!DOCTYPE html>

<html lang="en">

<head>

    <title>Angular 17</title>

    <script src="angular-1.8.2/angular.js"></script>

    <script>

        var app = angular.module("myApp",[])

        app.controller("myController",function ($scope,$http){

            let url = "data.json";

            $http.get(url).then(function (response){

                $scope.students = response.data;

            }),function (response){

                $scope.data = "error"

            }

        })

    </script>

</head>

<body ng-app="myApp">

    <div ng-controller="myController">

        <div>

            {{students}}

        </div>

        <div>

            <table border="1">

                <tr>

                    <th>NAME</th>

                    <th>ADDR</th>

                </tr>

                <tr ng-repeat="st in students">

                    <td>{{st.name}}</td>

                    <td>{{st.add}}</td>

                </tr>

            </table>

        </div>

    </div>

</body>

</html>