**Angular JS – Day 3 (Angular Modules)**

**Exercises - solutions**

1. Create an Angular Module with the name MyApp and define a controller MyController inside this module. Initialize a string variable with your name and set this model to <h1>

<!DOCTYPE html>  
<html lang="en">  
 <head>  
 <title>First Module</title>  
 <script src="angular.min.js"></script>   
 </head>  
 <body ng-app="MyApp">  
 <div ng-controller="MyController">  
 <h1> My Name is {{name}} </h1>  
 </div>  
 </body>  
   
 <script>  
 **var** app=angular.module(*"MyApp"*,[]);  
 app.controller(*"MyController"*,**function**($scope) **{**  
 $scope.name=*"Murthy"*;   
 **}**);  
 </script>  
</html>

1. Rewrite the above program by separating the module into MyApp.js file and controller into MyController.js files

Main.html:

<!DOCTYPE html>  
<html lang="en">  
 <head>  
 <title>Angular Module 2</title>  
 <script src="angular.min.js"></script>  
 <script src="MyApp.js"></script>  
 <script src="MyController.js"></script>  
 </head>  
 <body ng-app="MyApp" ng-controller="MyController">  
 <h1> My name is {{name}} </h1>  
 </body>  
</html>

MyApp.js:

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

MyController.js:

app.controller("MyController",function($scope){  
 $scope.name="Gurumurthy";   
});

1. Create a html file Three.html, display two buttons with labels “Chennai” and “Bangalore”.

When the user clicks the button “Chennai”, it should display “The city Chennai is hot”

When the user clicks the button “Bangalore”, it should display “The city Bangalore is cool”

Create separate .js files for app module and controllers.

Name of the module is: TempApp

Name of the controller is: TempController

So, you should have three files: Three.html, TempApp.js and TempController.js

TempApp.js defines the application module name

TempController.js defines the controller with the method name that will be called upon clicking the button, it should also define two variables city and temperature.

The names of the function are: Chennai() and Bangalore()

**Three.html:**

<!DOCTYPE html>  
<html lang="en">  
 <head>  
 <title>Three</title>  
 <script src="angular.min.js"></script>  
 <script src="TempApp.js"></script>  
 <script src="TempController.js"></script>  
   
  
 </head>  
 <body ng-app="TempApp" ng-controller="TempController">  
 <button ng-click="Chennai()">Chennai</button>  
 <button ng-click="Bangalore()">Bangalore</button>  
 <p>The city {{city}} is {{temperature}}!!!</p>  
  
 </body>  
</html>

**TempApp.js:**

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

**TempController.js:**

app.controller("TempController",['$scope',function($scope){  
  
 $scope.Chennai=function()  
 {  
 $scope.city='Chennai';  
 $scope.temperature='Hot';  
 }  
   
 $scope.Bangalore=function()  
 {  
 $scope.city='Bangalore';  
 $scope.temperature='Cool';  
 }  
}]);