**ANGULAR JS**

**1)Project setup:**

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="utf 8">

<title>Angular</title>

</head>

<body ng-app="app">

<h1 ng-controller="HelloWorldCtrl">{{message}}</h1>

<script src="https://code.angularjs.org/1.6.9/angular.js"></script>

<script>

angular.module("app", []).controller("HelloWorldCtrl", function($scope) {

$scope.message="Hello World"

} )

</script>

</body>

</html>

**2)Basics of Angular :**

<!DOCTYPE html>

<html>

<head>

<meta chrset="UTF 8">

<title>Event Registration</title>

</head>

<body>

<script src="https://code.angularjs.org/1.6.9/angular-route.js"></script>

<script src="https://code.angularjs.org/1.6.9/angular.min.js"></script>

<h1> Basics of Angular</h1>

<div ng-app="">

Addition : {{6+9}}

<div ng-init="a=2;b=200">

Total product value

{{a\*b}}

</div>

<div ng-init="marks=[1,15,19]">

Student Marks<br>

Subject1 : {{marks[0] }}<br>

</div>

</div>

</body>

</html>

**3)Controller in angular js:**

**Basic syntax :**

var app = angular.module('DemoApp',[]);

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

$scope.tutorialName = "Angular JS";

});

<!DOCTYPE html>

<html>

<head>

<meta chrset="UTF 8">

<link rel="stylesheet" href="css/bootstrap.css"/>

</head>

<body>

<h1> Angular controller</h1>

<script src="https://code.angularjs.org/1.6.9/angular.min.js"></script>

<div ng-app="DemoApp" ng-controller="DemoController">

Tutorial Name : <input type="text" ng-model="tutorialName"><br>

This tutorial is {{tutorialName}}

</div>

<script>

var app = angular.module('DemoApp',[]);

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

$scope.tutorialName ="Angular js tutorial";

});

</script>

</body>

</html>

**4)How to populate data from angular js :**

<!DOCTYPE html>

<html>

<head>

<meta chrset="UTF 8">

<title>Event Registration</title>

<link rel="stylesheet" href="css/bootstrap.css"/>

</head>

<body >

<h1> ng-repeat</h1>

<script src="https://code.angularjs.org/1.6.9/angular.js"></script>

<div ng-app="DemoApp" ng-controller="DemoController">

<h1>Topics</h1>

<ul><li ng-repeat="tpname in TopicNames">

{{tpname.name}}

</li></ul>

</div>

<script>

var app = angular.module('DemoApp',[]);

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

$scope.TopicNames =[

{name: "What controller do from Angular's perspective"},

{name: "Controller Methods"},

{name: "Building a basic controller"}];

});

</script>

</body>

</html>

**5)Angular js Filters :**

<!DOCTYPE html>

<html>

<head>

<meta chrset="UTF 8">

<title>Event Registration</title>

</head>

<body>

<script src="https://code.angularjs.org/1.6.9/angular-route.js"></script>

<script src="https://code.angularjs.org/1.6.9/angular.min.js"></script>

<script src="https://code.jquery.com/jquery-3.3.1.min.js"></script>

<h1> Filters in angular js</h1>

<div ng-app="DemoApp" ng-controller="DemoController">

Tutorial Name : <input type="text" ng-model="tutorialName" ng-init="tutorialID=23.3333343;tutorialprice=234"><br>

<br>

This tutorial is {{tutorialName | lowercase}}

<br>

This tutorial is {{tutorialName | uppercase}}

<br>

This tutorialID is {{tutorialID | number:2}}

<br>

This tutorial Price is {{tutorialprice | currency}}

<br>

This tutorial is {{tutorial | json}}

</div>

<script type="text/javascript">

var app = angular.module('DemoApp',[]);

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

$scope.tutorialName ="Angular JS";

$scope.tutorial ={TutorialID:12,tutorialName:"Angular"};

});

</script>

</body>

</html>

**Creatring custom filters:**

<!DOCTYPE html>

<html>

<head>

<meta chrset="UTF 8">

<title>Event Registration</title>

</head>

<body>

<script src="https://code.angularjs.org/1.6.9/angular-route.js"></script>

<script src="https://code.angularjs.org/1.6.9/angular.min.js"></script>

<script src="https://code.jquery.com/jquery-3.3.1.min.js"></script>

<h1> Custom filter</h1>

<div ng-app="DemoApp" ng-controller="DemoController">

This tutorial is {{tutorial | Demofilter}}

</div>

<script type="text/javascript">

var app = angular.module('DemoApp',[]);

app.filter('Demofilter',function(){

return function(input)

{

return input + " Tutorial"

}

});

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

$scope.tutorial ="Angular";

});

</script>

</body>

</html>

**6)Angular js Events :**

<!DOCTYPE html>

<html>

<head>

<meta chrset="UTF 8">

<title>Event Registration</title>

</head>

<body ng-app="">

<script src="https://code.angularjs.org/1.6.9/angular.js"></script>

<script src="https://code.jquery.com/jquery-3.3.1.min.js"></script>

<h1> onclick event</h1>

<button ng-click="count = count + 1" ng-init="count=0">

Increment

</button>

<div>The Current Count is {{count}}</div>

</body>

</html>

**ng-show and ng-hide :**

<!DOCTYPE html>

<html>

<head>

<meta chrset="UTF 8">

<title>Event Registration</title>

</head>

<body>

<script src="https://code.angularjs.org/1.6.9/angular.js"></script>

<script src="https://code.jquery.com/jquery-3.3.1.min.js"></script>

<h1> Ng-show demo</h1>

<div ng-app="DemoApp" ng-controller="DemoController">

<input type="button" value="Show Angular" ng-click="ShowHide()"/>

<input type="button" value="Hide Angular" ng-click="ShowHide1()"/>

<br><br><div ng-show = "visibility">Angular</div>

<div ng-hide="visible">js</div>

</div>

<script type="text/javascript">

var app = angular.module('DemoApp',[]);

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

$scope.visibility = false;

$scope.visible=false;

$scope.ShowHide1=function(){

//alert('working');

$scope.visible=true;

}

$scope.ShowHide = function(){

//alert('working');

$scope.visibility = true;

}

});

</script>

</body>

</html>

**7) angular js custom directives :**

<!DOCTYPE html>

<html>

<head>

<meta chrset="UTF 8">

<title>Event Registration</title>

</head>

<body>

<script src="https://code.angularjs.org/1.6.9/angular-route.js"></script>

<script src="https://code.angularjs.org/1.6.9/angular.js"></script>

<script src="https://code.angularjs.org/1.6.9/angular.min.js"></script>

<script src="https://code.jquery.com/jquery-3.3.1.min.js"></script>

<h1> Custom directives</h1>

<div ng-app="DemoApp">

<div ng-anyname=""></div>

</div>

<script type="text/javascript">

var app = angular.module('DemoApp',[]);

app.directive('ngAnyname',function(){

return {

template: '<div>Angular JS Tutorial</div>'

}

});

</script>

</body>

</html>

**8) Task :**

**Create simple addition web app using angular js.**

**9)creating multiple views in single page :**

<!DOCTYPE html>

<html>

<head>

<meta chrset="UTF 8">

<title>Event Registration</title>

<script data-require="angular.js@\*" data-semver="1.3.5" src="https://code.angularjs.org/1.3.5/angular.js"></script>

<script data-require="angular-route@\*" data-semver="1.3.5" src="https://code.angularjs.org/1.3.5/angular-route.js"></script>

<script src="//ajax.googleapis.com/ajax/libs/jquery/2.2.0/jquery.min.js"></script>

</head>

<body ng-app="sampleApp">

<h1> Multiple views</h1>

<div class="container">

<ul><li><a href="#/NewEvent"> Add New Event</a></li>

<li><a href="#/DisplayEvent"> Display Event</a></li>

</ul>

<div ng-view></div>

</div>

<script>

var app = angular.module('sampleApp',["ngRoute"]);

app.config(function($routeProvider){

$routeProvider.

when("/NewEvent",{

templateUrl : "add\_event.html",

controller: "AddEventController"

}).

when("/DisplayEvent", {

templateUrl: "show\_event.html",

controller: "ShowDisplayController"

}).

otherwise ({

redirectTo: '/DisplayEvent'

});

});

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

//alert('came');

$scope.message = "This is to Add a new Event";

});

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

$scope.message = "This is display an Event";

});

</script>

</body>

</html>

**add\_event.html**

<h2>Add Event</h2>

{{message}}

**show\_event.html**

<h2>Show Event</h2>

{{message}}

**10) Adding json file contents to a Html page using Anglar js :**

<!DOCTYPE html>

<html>

<head>

<script src="https://ajax.googleapis.com/ajax/libs/angularjs/1.5.0/angular.min.js"></script>

<style>

table

{

width: auto;

font: 17px Calibri;

}

table, th, td

{

border: solid 1px black;

padding: 2px 3px;

text-align: center;

}

</style>

</head>

<body>

<div ng-app="myApp"

ng-controller="myController">

<table>

<tr>

<th>ID</th>

<th>Bird Name</th>

<th>Type of Bird</th>

</tr>

<tr ng-repeat="birds in list.bird">

<td>{{birds.ID}}</td>

<td>{{birds.Name}}</td>

<td>{{birds.Type}}</td>

</tr>

</table>

</div>

</body>

<!--The Controller-->

<script>

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

app.controller('myController',

function ($scope, $http) {

var request = {

method: 'get',

url: 'birds.json',

dataType: 'json',

contentType: "application/json"

};

$scope.arrBirds = new Array;

$http(request)

.success(function (jsonData) {

//alert('came');

//$scope.arrBirds = jsonData;

//$scope.list = $scope.arrBirds;

$scope.list=jsonData;

})

.error(function () {

alert('invalid json');

});

});

</script>

</html>

**birds.json :**

{

"bird":[

{

"ID":"001",

"Name":"crow",

"Type":"black"

},

{

"ID":"002",

"Name":"pigeon",

"Type":"grey"

}

]

}

**11) ng-submit in Forms :**

<!DOCTYPE html>

<html>

<head>

<meta chrset="UTF 8">

<title>Event Registration</title>

</head>

<body ng-app="sampleApp">

<script src="https://code.angularjs.org/1.6.9/angular-route.js"></script>

<script src="https://code.angularjs.org/1.6.9/angular.min.js"></script>

<script src="https://code.angularjs.org/1.6.9/angular.js"></script>

<script src="/lib/bootstrap.js"></script>

<script src="/lib/bootstrap.css"></script>

<h1> ng-submit demo</h1>

<div ng-controller="AngularController">

<form ng-submit="Display()">

Enter which topic you would like to learn

<input type="text" ng-app="sampleApp" ng-model="Topic"><br>

<input type="submit" value="Submit"/>

<ul ng-repeat="topicname in AllTopic">

<li>{{topicname}}</li>

</ul>

</form>

</div>

<script>

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

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

//$scope.AllTopic=new Array;

$scope.AllTopic=[]

$scope.Display = function () {

$scope.AllTopic.push($scope.Topic);

}

});

</script>

</body>

</html>