**[ANGULAR JS]**

# Practical 12

**Aim :** Write a program to perform Arithematic Operations (Addition,subtraction, Multiplication and dividion) using Angular JS

**Line of Code:**

<!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>Document</title>

<script src="Angular.Min.JS"></script>

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

</head>

<body ng-app="">

<h1>The Addition of 10+99={{10+99}}</h1><br>

<h1>The Subtraction of 10 - 99 = {{10 - 99}}</h1><br>

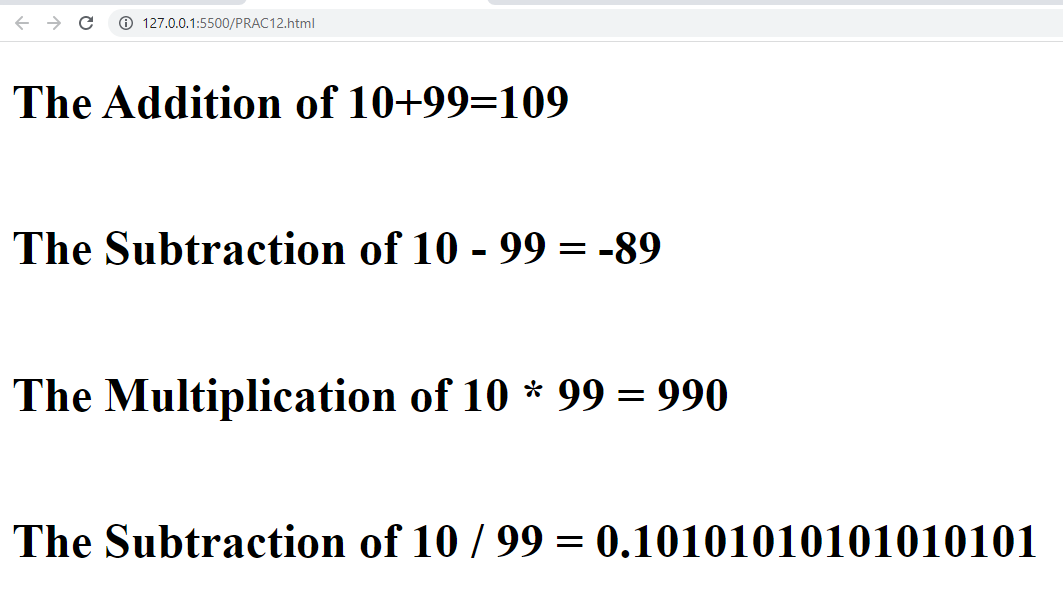
<h1>The Multiplication of 10 \* 99 = {{10 \* 99}}</h1><br>

<h1>The Subtraction of 10 / 99 = {{10 / 99}}</h1><br>

</body>

</html>

**Output :**



# Practical 13

# Aim : Write a program to demonstrate Angular JS (using String)

**Line of Code:**

# <!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>Document</title>

# <script src="Angular.Min.JS"></script>

# </head>

# <body ng-app="" ng-init=" fname='Amir'; lname='Alam'">

# {{"Amir Alam"}}

# <br>

# <p>My First Name is <span ng-bind=fname></span>

# <br>

# <b>First name :</b>{{fname}}

# </p>

# <p>My Last Name is <span ng-bind=lname></span>

# <br>

# <b>Last name :</b>{{lname}}

# </p>

# <p>My Full Name is {{fname+' '+lname}}</p>

# </body>

# </html>

# Output :

# 

# Practical 14

# Aim : Write a program to demonstrate Angular Js Expression Using String.

**Line of Code:**

<!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>Document</title>

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

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

</head>

<body ng-app="" ng-init="fname='Amir';lname='Alam';Sub1=90;Sub2=85;Sub3=75">

<p><b>my first name is :</b><span ng-bind="fname"></span><br>

<b>my Last name is :</b><span ng-bind="lname"></span><br> </p>

<p><b>Mark in Maths is :</b> <span ng-bind="sub1"></span><br> </p>

<p><b>Mark in Science is :</b> <span ng-bind="Sub2"></span><br> </p>

<p><b>Mark in English is :</b> <span ng-bind="Sub3"></span><br></p>

<p><b> Total Mark is :</b> {{Sub1+Sub2+Sub3}}</p>

<p>

<b>{{fname+" "+lname}} </b>got {{Sub1+Sub2+Sub3}} Out of 300.

</p>

</body>

</html>

# Output :

# 

# Practical 15

# Aim : Write a program to demonstrate Angular Js Expression Using String.

**Line of Code:**

<!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>Document</title>

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

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

</head>

<body ng-app="" ng-init=" College={fname:'Viva', mname:'Technical', lname:'Campus'}">

{{College.fname}} {{College.mname}} {{College.lname}}

<br>

<p>The First Name of my College is :<span ng-bind='College.fname'></span>

<br>

<b>First Name :</b>{{College.fname}}

</p>

<p>The Middle Name of my College is :<span ng-bind='College.mname'></span>

<br>

<b>First Name :</b>{{College.mname}}

</p>

<p>The Last Name of my College is :<span ng-bind='College.lname'></span>

<br>

<b>First Name :</b>{{College.lname}}

</p>

</body>

</html>

# Output :

# 

# Practical 16

# Aim : Write a program to perform Validations in Forms using Angular JS

**Line of Code:**

<!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>Document</title>

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

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

</head>

<body ng-app >

<form name="studentForm" novalidate>

<label for="firstName">First Name: </label> <br />

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

<span ng-show="studentForm.firstName.$touched && studentForm.firstName.$error.required">First name is required.</span><br /><br />

<label for="lastName">Last Name</label><br />

<input type="text" name="lastName" ng-minlength="3" ng-maxlength="10" ng-model="student.lastName" />

<span ng-show="studentForm.lastName.$touched && studentForm.lastName.$error.minlength">min 3 chars.</span>

<span ng-show="studentForm.lastName.$touched && studentForm.lastName.$error.maxlength">Max 10 chars.</span><br /><br />

<label for="dob">Email</label><br />

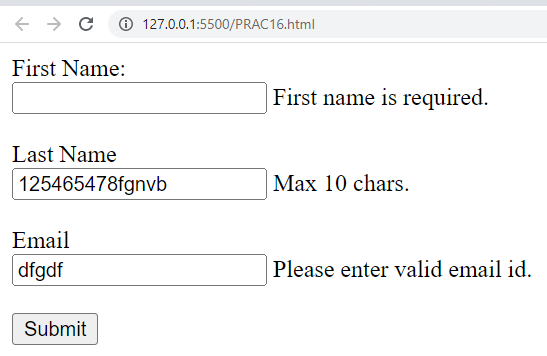
<input type="email" id="email" ng-model="student.email" name="email" />

<span ng-show="studentForm.email.$touched && studentForm.email.$error.email">Please enter valid email id.</span><br /><br />

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

</form>

</body>

****

# Practical 17

# Aim : Write a program to perform validations in Form using Angular JS (validation True/False)

**Line of Code:**

<!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>Document</title>

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

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

</head>

<body ng-app >

<form name="studentForm" novalidate>

<P>

First Name Status : <br />

Pristine : {{studentForm.firstName.$pristine}}<br>

Touched : {{studentForm.firstName.$touched}}<br>

Untouched : {{studentForm.firstName.$untouched}}<br>

Valid : {{studentForm.firstName.$valid}}<br>

Invalid : {{studentForm.firstName.$invalid}}<br>

Dirty : {{studentForm.firstName.$dirty}}<br>

</P>

<label for="firstName">First Name: </label> <br />

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

<span ng-show="studentForm.firstName.$touched && studentForm.firstName.$error.required">First name is required.</span><br /><br />

<label for="lastName">Last Name</label><br />

<input type="text" name="lastName" ng-minlength="3" ng-maxlength="10" ng-model="student.lastName" />

<span ng-show="studentForm.lastName.$touched && studentForm.lastName.$error.minlength">min 3 chars.</span>

<span ng-show="studentForm.lastName.$touched && studentForm.lastName.$error.maxlength">Max 10 chars.</span><br /><br />

<label for="dob">Email</label><br />

<input type="email" id="email" ng-model="student.email" name="email" />

<span ng-show="studentForm.email.$touched && studentForm.email.$error.email">Please enter valid email id.</span><br /><br />

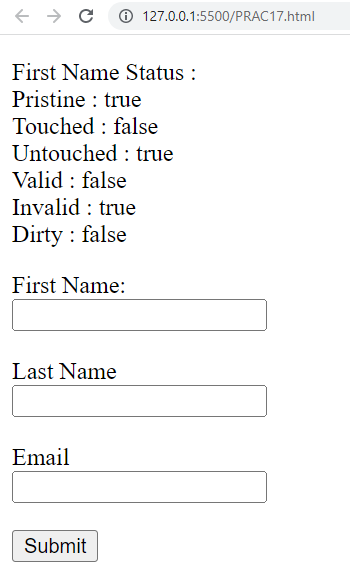
<input type="submit" value="Submit" />

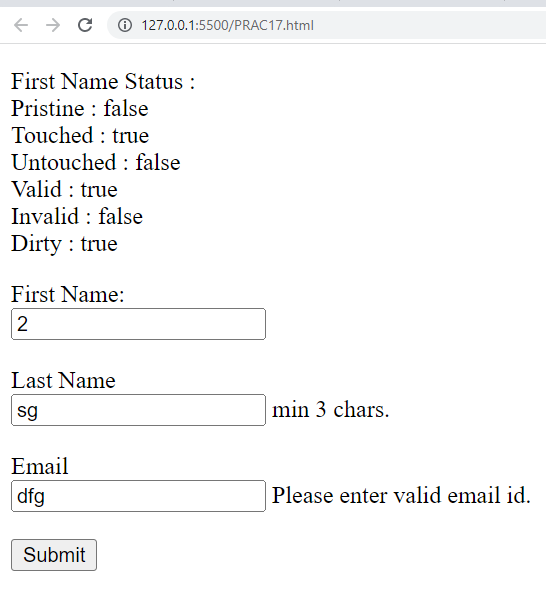
</form>

</body>

</html>

# Output :





# Practical 18

# Aim : Write a program to demonstrate Angular JS filters (Uppercase, Lowercase)

# 

**Line of Code:**

<!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>Document</title>

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

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

</head>

<body>

<div ng-app="myApp" ng-controller="uppercaseCtrl">

<p>The Name is : {{fname+' '+lname|uppercase}}</p>

<p>The Name is : {{fname+' '+lname|lowercase}}</p>

</div>

<script>

angular.module('myApp',[]).controller('uppercaseCtrl',function($scope){

$scope.fname='Amir',

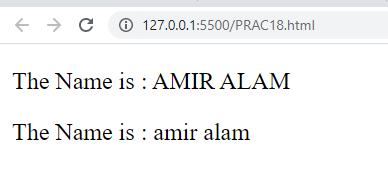
$scope.lname='Alam'});

</script>

</body>

</html>

# Output :

****

# Practical 19

# Aim : Write a program to Currency Filter using Angular JS

# 

**Line of Code:**

<!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>Document</title>

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

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

</head>

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

<p>Price: {{price|currency}}</p>

<script>

angular.module('myApp',[]).controller('currencyCtrl',function($scope){

$scope.price=100; });

</script>

</body>

</html>

# Output :

# 

# Practical 20

# Aim : Write a program to demonstrate Student Information Form using Angular JS.

# 

**Line of Code:**

<!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>Document</title>

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

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

</head>

<body>

<body ng-controller="studentController">

<h1>Student Information:</h1>

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

<label for="firstName" >First Name: </label><br />

<input type="text" id="firstName" ng-model="student.firstName" /> <br />

<label for="MiddleName" >Middle Name: </label><br />

<input type="text" id="middleName" ng-model="student.MiddleName" /> <br />

<label for="lastName">Last Name</label><br />

<input type="text" id="lastName" ng-model="student.lastName" /> <br />

<label for="dob" >DoB</label><br />

<input type="date" id="dob" ng-model="student.DoB" /> <br /><br />

<label for="gender" >Gender</label> <br />

<select id="gender" ng-model="student.gender">

<option value="male">Male</option>

<option value="female">Female</option>

</select><br /> <br />

<span>Training Type:</span><br />

<label><input value="online" type="radio" name="training" ng-model="student.trainingType" />Online</label><br />

<label><input value="onsite" type="radio" name="training" ng-model="student.trainingType" />OnSite</label> <br /><br />

<span>Subjects</span><br />

<label><input type="checkbox" ng-model="student.maths" />Maths</label> <br />

<label><input type="checkbox" ng-model="student.physics" />Physics</label> <br />

<label><input type="checkbox" ng-model="student.chemistry" />Chemistry</label><br /><br />

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

<input type="reset" ng-click="resetForm()" value="Reset" />

</form>

<script>

//1. create app module

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

//2. create controller

studentApp.controller("studentController", function ($scope, $http) {

//3. attach originalStudent model object

$scope.originalStudent = {

firstName: 'James',

middleName: 'Carter',

lastName: 'Bond',

DoB: new Date('01/31/1980'),

gender: 'male',

trainingType: 'online',

maths: false,

physics: true,

chemistry: true

};

//4. copy originalStudent to student. student will be bind to a form

$scope.student = angular.copy($scope.originalStudent);

//5. create submitStudentForm() function. This will be called when user submits the form

$scope.submitStudnetForm = function () {

var onSuccess = function (data, status, headers, config) {

alert('Student saved successfully.');

};

var onError = function (data, status, headers, config) {

alert('Error occured.');

};

$http.post('/student/submitData', { student:$scope.student })

.success(onSuccess)

.error(onError);

};

//6. create resetForm() function. This will be called on Reset button click.

$scope.resetForm = function () {

$scope.student = angular.copy($scope.originalStudent);

};

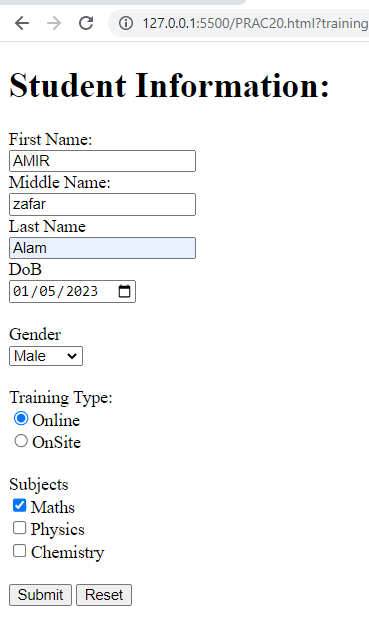
});

</script>

</body>

</html>

**OUTPUT :**



# Practical 21

# Aim : Write a program to demonstrate Student Information Form using Bootstrap Angular JS.

# 

**Line of Code:**

<!DOCTYPE html>

<html ng-app="myApp">

<head>

<link href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css"; rel="stylesheet" />

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

</head>

<body ng-controller="studentController" class="container" > <br />

<form class="form-horizontal" ng-submit="submitStudnetForm()" role="form">

<div class="form-group">

<label for="firstName" class="col-sm-3 control-label">First Name</label>

<div class="col-sm-6">

<input type="text" id="firstName" class="form-control" ng-model="student.firstName" />

</div>

<div class="col-sm-3"></div>

</div>

<div class="form-group">

<label for="lastName" class="col-sm-3 control-label">Last Name</label>

<div class="col-sm-6">

<input type="text" id="lastName" class="form-control" ng-model="student.lastName" />

</div>

<div class="col-sm-3"></div>

</div>

<div class="form-group">

<label for="dob" class="col-sm-3 control-label">DoB</label>

<div class="col-sm-2">

<input type="date" id="dob" class="form-control" ng-model="student.DoB" />

</div>

<div class="col-sm-7"></div>

</div>

<div class="form-group">

<label for="gender" class="col-sm-3 control-label">Gender</label>

<div class="col-sm-2">

<select id="gender" class="form-control" ng-model="student.gender">

<option value="male">Male</option>

<option value="female">Female</option>

</select>

</div>

<div class="col-sm-7"></div>

</div>

<div class="form-group">

<div class="col-sm-3"></div>

<div class="col-sm-2">

<span><b>Training Location</b></span>

<div class="radio">

<label><input value="online" type="radio" name="training" ng-model="student.trainingType" />Online</label>

</div>

<div class="radio">

<label><input value="onsite" type="radio" name="training" ng-model="student.trainingType" />OnSite</label>

</div>

</div>

<div class="col-sm-7">

<span><b>Main Subjects</b></span>

<div class="checkbox">

<label><input type="checkbox" ng-model="student.maths" />Maths</label>

</div>

<div class="checkbox">

<label><input type="checkbox" ng-model="student.physics" />Physics</label>

</div>

<div class="checkbox">

<label><input type="checkbox" ng-model="student.chemistry" />Chemistry</label>

</div>

</div>

</div>

<input type="submit" value="Save" class="btn btn-primary col-sm-offset-3" />

<input type="reset" value="Reset" ng-click="resetForm()"

</form>

<script>

//1. create app module

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

//2. create controller

studentApp.controller("studentController", function ($scope, $http) {

//3. attach originalStudent model object

$scope.originalStudent = {

firstName: 'James',

lastName: 'Bond',

DoB: new Date('01/31/1980'),

gender: 'male',

trainingType: 'online',

maths: false,

physics: true,

chemistry: true

};

//4. copy originalStudent to student. student will be bind to a form

$scope.student = angular.copy($scope.originalStudent);

//5. create submitStudentForm() function. This will be called when user submits the form

$scope.submitStudnetForm = function () {

var onSuccess = function (data, status, headers, config) {

alert('Student saved successfully.');

};

var onError = function (data, status, headers, config) {

alert('Error occured.');

}

$http.post('/student/submitData', { student:$scope.student })

.success(onSuccess)

.error(onError);

};

//6. create resetForm() function. This will be called on Reset button click.

$scope.resetForm = function () {

$scope.student = angular.copy($scope.OriginalStudent);

};

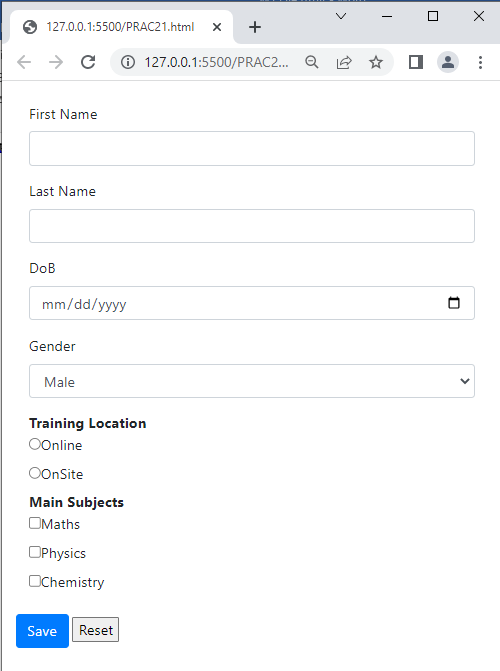
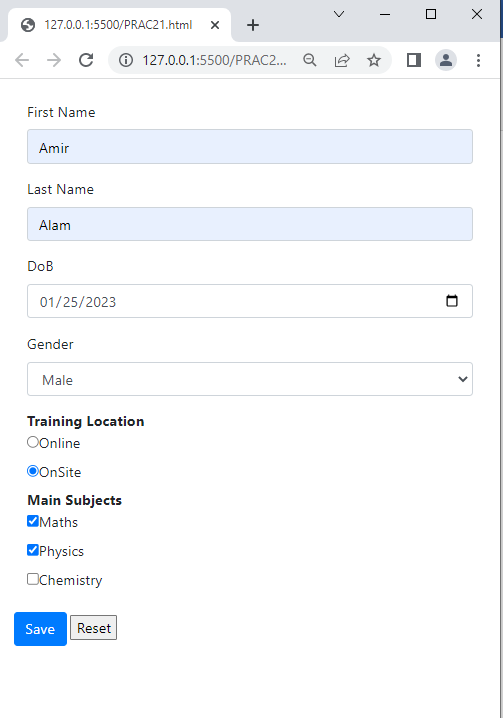
});

</script>

</body>

</html>

**Output :**



# Practical 22

# Aim : Write a code to design a college form mention with department columns, Roll No, Full Name, DOB, Gender, Fee submission followed with 2 button Submit & Reset.

**Line of Code:**

<!DOCTYPE html>

<html ng-app="myApp">

<head>

<link href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css";

rel="stylesheet" />

<script

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

</head>

<body ng-controller="studentController" class="container" > <br />

<h1>Viva Institute of Technology</h1>

<form class="form-horizontal" ng-submit="submitStudentForm()" role="form">

<div class="form-group">

<div class="col-sm-3"></div>

<div class="col-sm-2">

<span><b>Department:</b></span>

<div class="radio">

<label><input value="MCA" type="radio" name="department" ngmodel="

student.department"/>MCA</label><br/>

<label><input value="MBA" type="radio" name="department" ngmodel="

student.department"/>MBA</label><br/>

<label><input value="Engineering" type="radio" name="department" ngmodel="

student.department"/>Engineering</label><br/>

<label><input value="Pharmacy" type="radio" name="department" ngmodel="

student.department"/>Pharmacy</label><br/><br/>

<label for="rollno"><b>Roll No.:</b></label><br/>

<input type="text" name="rollno" ng-model="student.rollno" /><br/><br/>

</form>

<label for="fullName"><b>Full Name:</b></label><br/>

<input type="text" name="fullName" ng-model="student.fullName" /><br/><br/>

<label for="dob"><b>DOB</b></label><br/>

<input type="date" id="dob" ng-model="student.dob" /><br/><br/>

<label for="gender"><b>Gender</b></label><br/>

<select id="gender" ng-model="student.gender">

<option value="male">Male</option>

<option value="female">Female</option>

</select><br/><br/>

<span><b>Fees Submission</b></span><br/>

<label><input type="checkbox" ng-model="student.partial"/>Partial</label><br/>

<label><input type="checkbox" ng-model="student.half"/>Half</label><br/>

<label><input type="checkbox" ng-model="student.full"/>Full</label><br/><br/>

<input type="submit" value="Save" class="btn btn-primary col-sm-offset-3" />

<input type="reset" value="Reset" class="btn btn-primary col-sm-offset-3"

ngclick="resetForm()" />

</form>

<script>

//1. create app module

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

//2. create controller

studentApp.controller("studentController", function ($scope, $http) {

//3. attach originalStudent model object

$scope.originalStudent = {

department: 'mca',

Rollno: 22,

fullName: 'Amit Kumar',

dob: new Date('02/07/2000'),

gender:'female',

partial: false,

half: false,

full: true

};

//4. copy originalStudent to student. student will be bind to a form

$scope.student = angular.copy($scope.originalStudent);

//5. create submitStudentForm() function. This will be called when user submits the form

$scope.submitStudentForm = function () {

var onSuccess = function (data, status, headers, config) {

alert('Student saved successfully.');

};

var onError = function (data, status, headers, config) {

alert('Error occured.');

}

$http.post('/student/submitData', { student:$scope.student })

.success(onSuccess)

.error(onError);

};

//6. create resetForm() function. This will be called on Reset button click.

$scope.resetForm = function () {

$scope.student = angular.copy($scope.originalStudent);

};

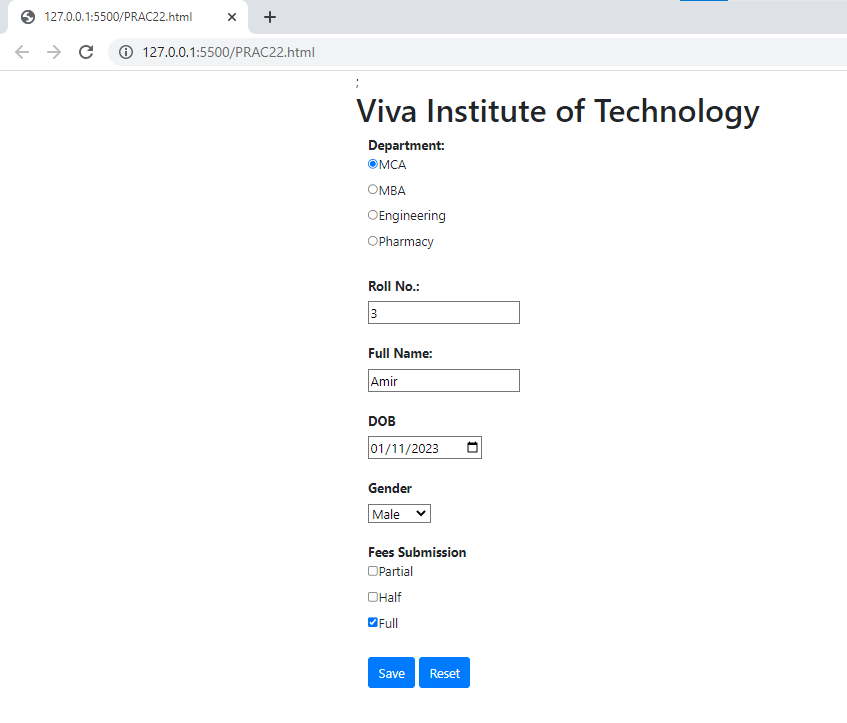
});

</script>

</body>

</html>

**OUTPUT :**

****

# Practical 23

# Aim : Write an Angular JS Script to demonstrate $()digest Function.

# In Angular JS $()digest function is a central function of $scope scope object and it is used to iterate through the watch list items and check if any variable value has been modified or not. In case if any changes found in the watchlist variable then corresponding eventlistner function will call and update those values in view with new values.

**Line of Code:**

<!DOCTYPE html>

<html>

<head>

<title>

AngularJs $digest() Function with Example

</title>

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

<script type="text/javascript">

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

app.controller('digestCtrl', function ($scope)

{

$scope.currentDateTime = new Date();

$scope.updatedtime = function ()

{

$scope.currentDateTime = new Date();

}

//Added an event listener.

var event = document.getElementById("btndigest");

event.addEventListener('click', function ()

{

//get dateTime

$scope.currentDateTime = new Date();

//The digest method is use to update date time forcefully.

$scope.$digest();

});

});

</script>

</head>

<body>

<div ng-app="digestApp" ng-controller="digestCtrl">

<h2>AngularJS $digest() Function Example</h2>

<input type="button" value="Click to Update DateTime" ng-click="updatedtime()" />

<input type="button" value="Click to Update DateTime forcefully." id="btndigest" />

<br /><br />

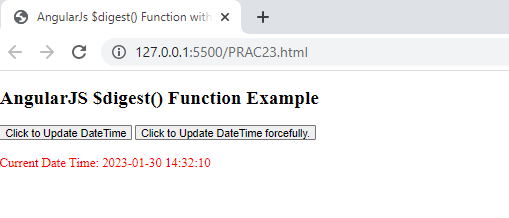
<span style="color:Red">Current Date Time: {{currentDateTime | date:'yyyy-MM-dd HH:mm:ss'}}</span>

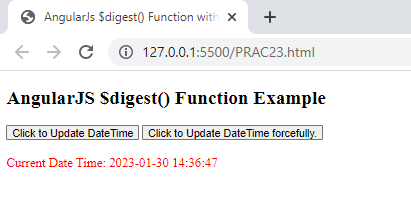
</div>

</body>

</html>

**OUTPUT :**

****

****

# Practical 24

# Aim : Write an Angular JS Script to demonstrate $()apply Function.

# In Angular JS apply function is used to evaluate expressions outside of Angular JS context (like Browser, DOM events, setTimeout, third party libraries->(XHR)). Generally in Angular JS once apply function execution finishes forcefully it will call digest function to update all data bindings.

**Line of Code:**

<!DOCTYPE html>

<html>

<head>

<title>

AngularJs $apply() Function with Example

</title>

<script src="https://ajax.googleapis.com/ajax/libs/angularjs/1.4.8/angular.min.js"></script>

<script type="text/javascript">

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

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

$scope.currentDateTime = new Date();

$scope.updatedtime = function () {

$scope.currentDateTime = new Date();

}

//Added an event listener.

var event = document.getElementById("btnapply");

event.addEventListener('click', function () {

//The $apply method is use to update date time on rootScope forcefully.

$scope.$apply(function () {

//get dateTime

$scope.currentDateTime = new Date();

});

});

});

</script>

</head>

<body>

<div ng-app="applyApp" ng-controller="applyCtrl">

<h2>AngularJS $apply() Function Example</h2>

<input type="button" value="Click to Update DateTime" ng-click="updatedtime()" />

<input type="button" value="Click to Update DateTime forcefully." id="btnapply" />

<br /><br />

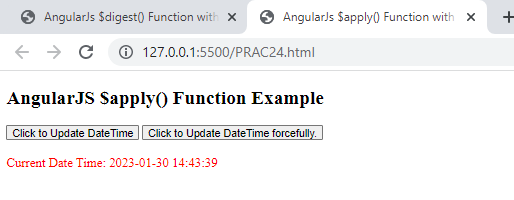
<span style="color:Red">Current Date Time: {{currentDateTime | date:'yyyy-MM-dd HH:mm:ss'}}</span>

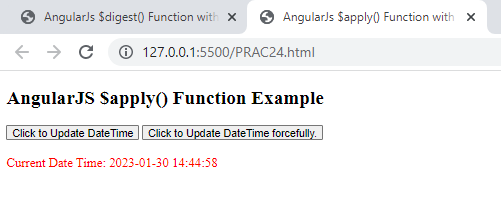
</div>

</body>

</html>

**OUTPUT :**

****

****

# Practical 25

# Aim : Create a webpage to change the background color of a table dynamically using Angular JS.

**Line of Code:**

<!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>Document</title>

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

</head>

<body>

<div ng-app="" ng-init="light green">

<select colorname: ng-model="x">

<option>pink</option>

<option>yellow</option>

<option>red</option>

<option>aqua</option>

</select>

<br>

<table bgcolor="{{x}}" width="80px" border="2">

<tr>

<td>Amaan</td>

<td>Fakhruddin</td>

<td>Jagdish</td>

</tr>

<tr>

<td>Nasir</td>

<td>Arif</td>

<td>Shoaib</td>

</tr>

<tr>

<td>Aneeb</td>

<td>Arish</td>

<td>Ahad</td>

</tr>

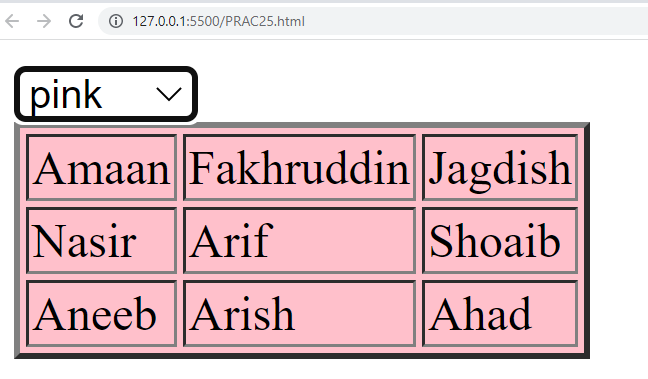
</table>

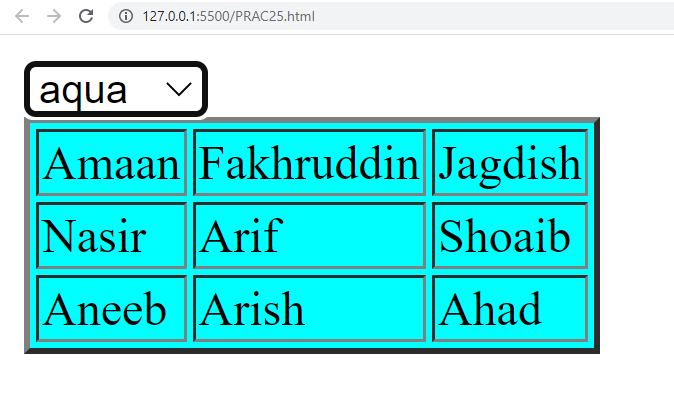
</div>

</body>

</html>

**OUTPUT :**

****

****

# Practical 26

# Aim : Write an Angular JS script to print details of Bank Name, MICR code, IFSC code, Address in tabular form. (use ng-repeat).

**Line of Code:**

<!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>Document</title>

</head>

<body>

<script text="text/javascript"

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

<script text="text/javascript">

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

app.controller('MyController', function ($scope)

{

$scope.IsVisible = false;

$scope.GenerateTable = function()

{

$scope.bankdetail = [

{Bankname: "SBI", MICRcode: 123456789, IFSCCode:"SBIN001122", address:

"Pune"},

{Bankname: "HDFC Bank", MICRcode: 112334455, IFSCCode:"HDFC001122",

address: "Mumbai" },

{Bankname: "BOI", MICRcode: 1547334455, IFSCCode:"BOI001122",

address: "NSP" }

];

$scope.IsVisible = true;

};

});

</script>

<div ng-app="MyApp" ng-controller="MyController">

<input type="button" value="Generate Table" ng-click="GenerateTable()" />

<hr />

<table cellpadding="0" cellspacing="0" ng-show="IsVisible" border = 1 >

<tr>

<th>Bank Name</th>

<th>MICR Code</th>

<th>IFSC Code</th>

<th>Address</th>

</tr>

<tbody ng-repeat="m in bankdetail"> <tr>

<td>{{m.Bankname}}</td>

<td>{{m.MICRcode}}</td>

<td>{{m.IFSCCode}}</td>

<td>{{m.address}}</td>

</tr>

</tbody>

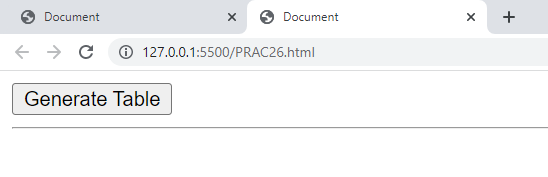
</table>

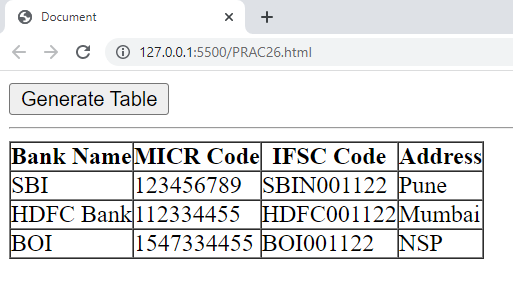
</div>

</body>

</html>

**OUTPUT :**

****

****

# Practical 27

# Aim : Write a script using controller ng-repeat and different HTML tags in Angular JS. (Student id, Name, Age, Product and Country)

**Line of Code:**

<!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>Document</title>

</head>

<body>

<script text="text/javascript"

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

<script text="text/javascript">

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

app.controller('MyController', function ($scope)

{

$scope.IsVisible = false;

$scope.GenerateTable = function()

{

$scope.Studentdetail = [

{CustomerId:1,Name:"Shreyaansh",Age:22,Product:"TV",Country:"India"},

{CustomerId:2,Name:"Medhan",Age:23,Product:"AC",Country:"Sri-Lanka"},

{CustomerId:3,Name:"Shankar",Age:24,Product:"Fan",Country:"France"},

{CustomerId:4,Name:"Ayush",Age:25,Product:"Oven",Country:"Dubai"},

{CustomerId:5,Name:"Sayali",Age:26,Product:"Fridge",Country:"India"},

];

$scope.IsVisible = true;

};

});

</script>

<div ng-app="MyApp" ng-controller="MyController">

<input type="button" value="Generate Table" ng-click="GenerateTable()" />

<hr />

<table cellpadding="6" cellspacing="0" ng-show="IsVisible" Border = 1>

<tr>

<th>Student Id </th>

<th>Student Name </th>

<th>Age </th>

<th>Product</th>

<th>Country </th>

</tr>

<tbody ng-repeat="s in Studentdetail">

<tr>

<td>{{s.CustomerId}}</td>

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

<td>{{s.Age}}</td>

<td>{{s.Product}}</td>

<td>{{s.Country}}</td>

</tr>

</tbody>

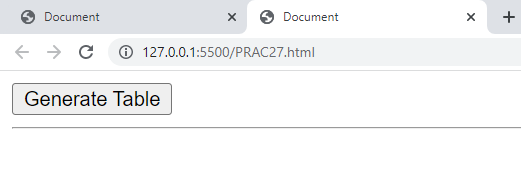
</table>

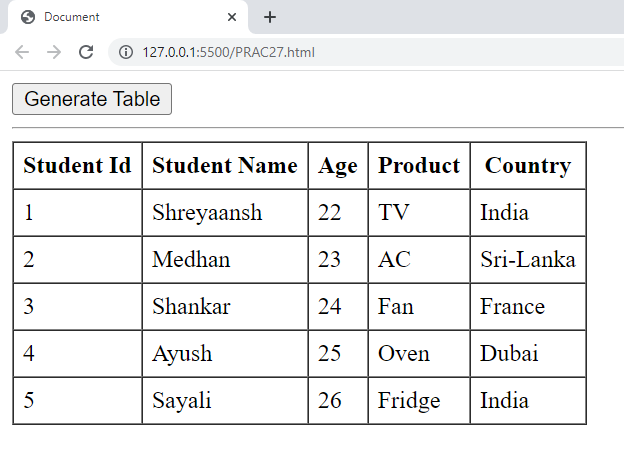
</div>

</body>

</html>

**OUTPUT :**

****

****

# Practical 28

# Aim : Design a webpage to process student marks using Angular JS Controllers.

**Line of Code:**

<!DOCTYPE html>

<html>

<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>Practical 17</title>

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

<script>

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

obj.controller("studentcontroller",function($scope)

{$scope.marks=[85,78,94,25,64];

});

</script>

</head>

<body ng-app="myApp">

<h1>Student Details</h1>

<hr>

<div ng-controller="studentcontroller">

<ul>

<li ng-repeat= "item in marks">

subject-{{$index+1}}={{item}}

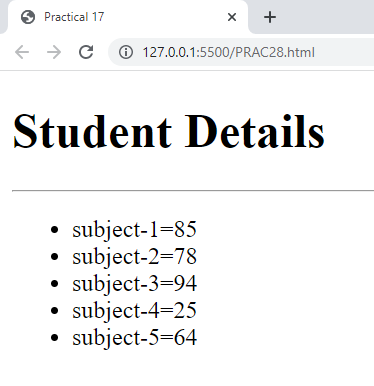
</li>

</ul>

</div>

</body> </html>

**OUTPUT :**

****

# Practical 29

# Aim : Create a webpage to fetch multiple images and according to the users’ requirements image changes dynamically using Angular JS.

**Line of Code:**

<!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>Document</title>

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

</head>

<body ng-app="" ng-init="fname='img1.jpg'">

<h1>Angular Directives - Demo</h1>

<hr><hr>

<select ng-model="fname">

<option>img1.jpeg</option>

<option>img2.jpg</option>

<option>img3.jpg</option>

<option>img4.jpg</option>

<option>img5.png</option>

</select>

<br>

<span>Selected image : {{fname}}</span>

<br>

<img border ="2" height="300px" width="400px" src="{{fname}}" alt="">

</body>

</html>

**OUTPUT :**

****

# Practical 30

# Aim : Create a webpage to process product details using Angular JS controller to organize product data using Array of object.

**Line of Code:**

<!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>Document</title>

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

<script>

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

obj.controller("Productcontroller",function($scope)

{$scope.product=[

{pid:14589,pname:"Burger",uprice:18200, image:"img6.jpg"},

{pid:14589,pname:"Pizza",uprice:18200, image:"img7.jpg"},

{pid:14589,pname:"Shwarma",uprice:18200, image:"img8.jpg"},

{pid:14589,pname:"Chicken Tandoori",uprice:18200, image:"img9.jpg"},

{pid:14589,pname:"Butter Chicekn",uprice:18200, image:"img10.jpg"}];});

</script></head>

<body ng-app="myApp">

<h1 align="center">Product Details</h1>

<hr>

<div ng-controller="Productcontroller">

<div style="text-align: center; float: left; padding: 3px; margin: 5px;

border: 2px solid blue; height: 150px; width: 200px;" ng-repeat="item in product">

<span><u>{{item.pname}}</u></span><br>

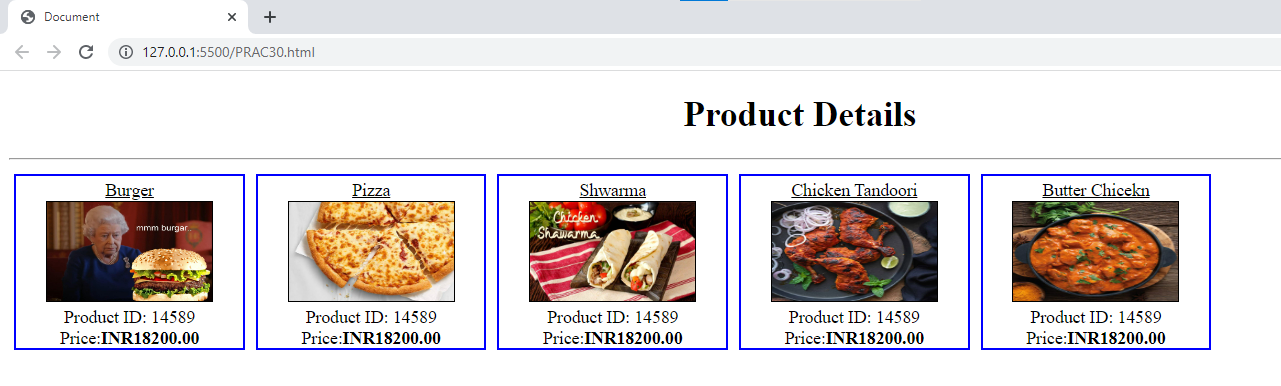
<img border="1" height="90" width="150" src="{{item.image}}"><br>

Product ID: {{item.pid}} <br>

Price:<b>INR{{item.uprice}}.00</b>

</div></div></body></html>

**Output :**

****

# Practical 31

# Aim : Design a webpage to show multiple items (camera) displaying with product id, product name, product price and product image in tabular format.

**Line of Code:**

<!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>Document</title>

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

<script>

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

obj.controller("Productcontroller",function($scope)

{

$scope.product=[

{pid:14589,pname:"Nicon Camera",uprice:18200, image:"image11.jpg"},

{pid:14589,pname:"Canon Camera",uprice:18200, image:"image12.png"},

{pid:14589,pname:"Samsung Camera",uprice:18200, image:"image13.jpg"},

{pid:14589,pname:"Sony Camera",uprice:18200, image:"image14.jpg"

}];

});

</script>

</head>

<body ng-app="myApp">

<h1>Product Details</h1>

<table ng-controller="Productcontroller">

<tr>

<th><u>Prodcut name</u></th>

<th><u>Prodcut brand</u></th>

<th><u>Prodcut price</u></th>

<th><u>Prodcut Image</u></th>

</tr>

<tr ng-repeat="item in product" style="background-color:skyblue;">

<td>{{item.pid}}</td>

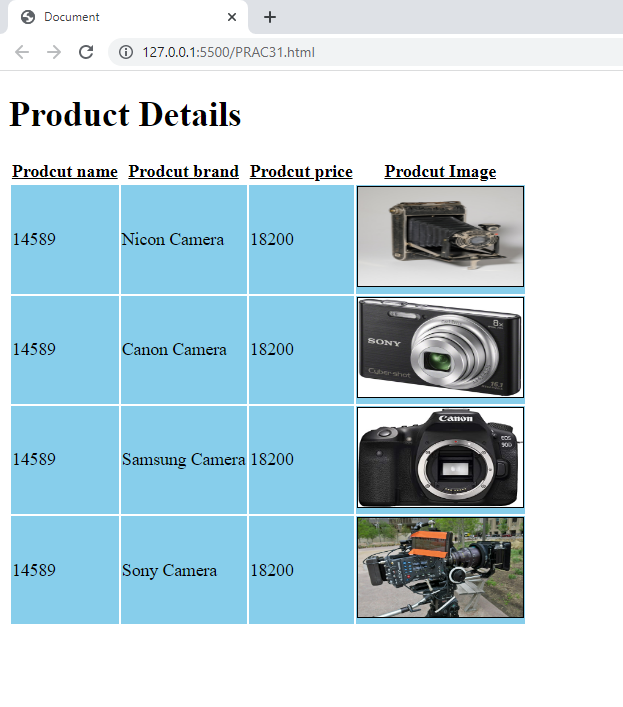
<td>{{item.pname}}</td>

<td>{{item.uprice}}</td>

<td><img border="1" height="90" width="150" src="{{item.image}}"></td>

</tr> </table> </body> </html>

**Output :**

****

# Practical 32

# Aim : Crate a webpage to demonstrate object filter in Angular JS (Output should display name, designation, salary)

**Line of Code:**

<!--Create a webpage to demonstrate usage & filters in Angular JS-->

<!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>Practical 21</title>

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

<script>

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

obj.controller("EmpController",function($scope)

{

$scope.ename="scott";

$scope.job="Manager";

$scope.Sal='2000';

});

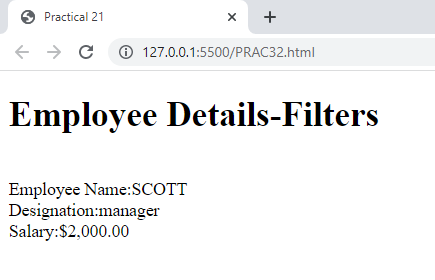
</script>

</head>

<body ng-app="myApp">

<h1>Employee Details-Filters</h1>

<br/>

<div ng-controller="EmpController">

<span>

Employee Name:{{ename|uppercase}}<br>

Designation:{{job|lowercase}}<br>

Salary:{{Sal|currency}}

</span>

</div></body></html>

**OUTPUT :**

# Practical 33

# Aim : Crate a webpage to demonstrate uses of order by filter in Angular JS.

**Line of Code:**

<!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>Practical 22</title>

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

<script>

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

obj.controller("DemoController",function($scope)

{

$scope.names=['scott','sleve','Mark','Ritesh','Sayali',

'Sathya','Abron','James','Adam'];

});

</script>

</head>

<body ng-app="myApp">

<h1> Order by Filters-demo</h1></br>

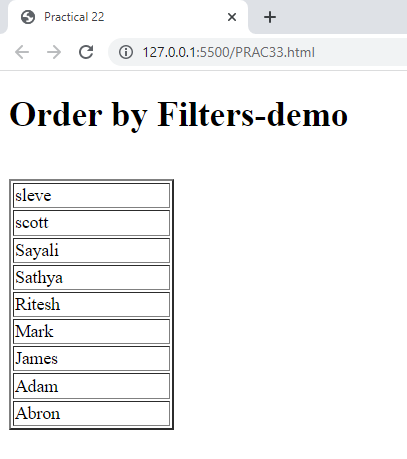
<table border="2" width="150 px" ng-controller="DemoController">

<tr ng-repeat="item in names|orderBy:item:true">

<td>{{item}}</td>

</tr>

</table>

</body>

</html>

**Output** :

# Practical 34

# Aim : Crate a webpage for sorting the students details using order by filter in Angular JS.

**Line of Code:**

<!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>Practical 23</title>

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

<script>

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

obj.controller("DemoController",function($scope)

{

$scope.Students=

[

{sid:1025,sname:"scott",course:"AngularJS"},

{sid:1026,sname:"smith",course:"HTML5"},

{sid:1027,sname:"Abrons",course:"JQuery"},

{sid:1028,sname:"james",course:"PHP"},

{sid:1029,sname:"Adam",course:"Javascript"}

];

$scope.x=false;

});

</script>

</head>

<body ng-app="myApp">

<h1>Order By Filters-Demo3</h1>

<br/>

<div ng-controller="DemoController">

Descending Order:<input type="checkbox" ng-model="x"/><br></br>

<table border="2", width="350px">

<tr bgcolor="skyblue">

<th><a href="" ng-click="x=!x";y="sid">Student ID</a></th>

<th><a href="" ng-click="x=!x";y="sname">Student Name</a></th>

<th><a href="" ng-click="x=!x";y="course">Course Name</a></th>

</tr>

<tr bgcolor="pink" ng-repeat="item in Students|orderBy:y:x">

<td>{{item.sid}}</td>

<td>{{item.sname}}</td>

<td>{{item.course}}</td>

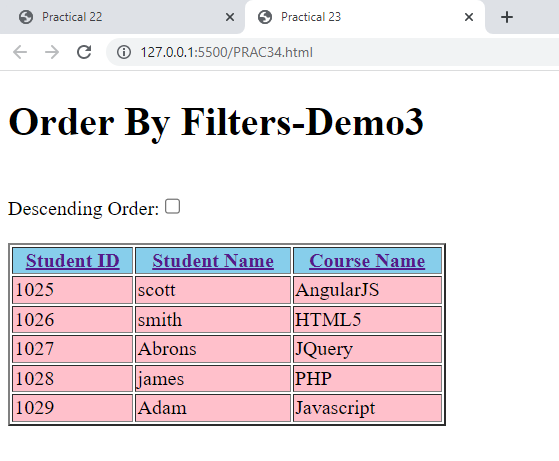
</tr></table>

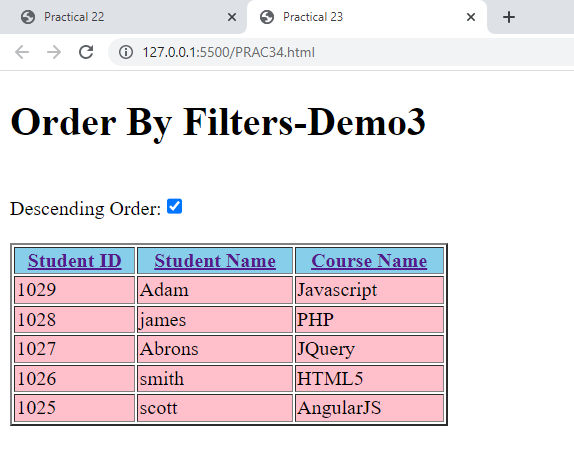
</div>

</body>

</html>

**Output** :





# Practical 35

# Aim : Crate a webpage to apply searching on student details by using Filter option in Angular JS.

**Line of Code:**

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>Document</title>

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

<script>

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

obj.controller("Democontroller",function($scope)

{

$scope.students=[

{sid:1025,sname:"Scott",course:"Angular JS"},

{sid:1026,sname:"Abrons",course:"HTML"},

{sid:1027,sname:"Smith",course:"Jquery"},

{sid:1028,sname:"James",course:"Angular JS"},

{sid:1029,sname:"Adam",course:"Javascript"},

{sid:1030,sname:"Sayali",course:"Javascript"}

];

$scope.s1="";

$scope.s2="";

});

</script>

</head>

<body ng-app="myApp">

<h1>Filter option - Demo4 </h1>

<hr>

<div ng-controller="Democontroller">

Enter Student Name to search:

<input type="text" ng-model="s1"/><br><br>

Select course to search:

<select ng-model="s2">

<option>Angular JS</option>

<option>Jquery</option>

<option>HTML</option>

<option>Javascript</option>

<option value=" ">All courses</option>

</select><br><br>

<table border="2" width="350px">

<tr bgcolor="SkyBlue">

<th>Student ID</th>

<th>Student Name</th>

<th>Course Name</th>

</tr>

<tr bgcolor="Grey" ng-repeat="item in students|filter : {'sname':s1,'course':s2}">

<td>{{item.sid}}</td>

<td>{{item.sname}}</td>

<td>{{item.course}}</td>

</tr>

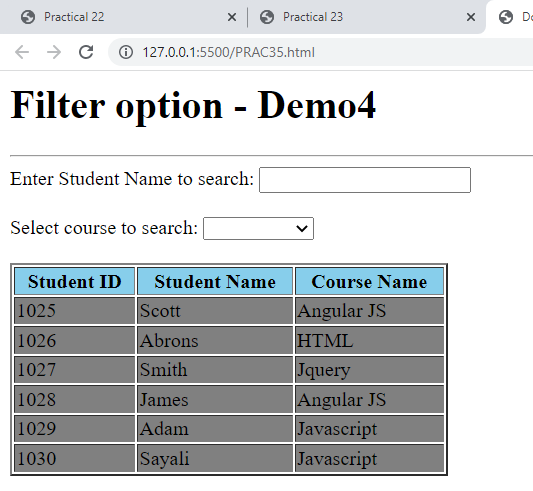
</table>

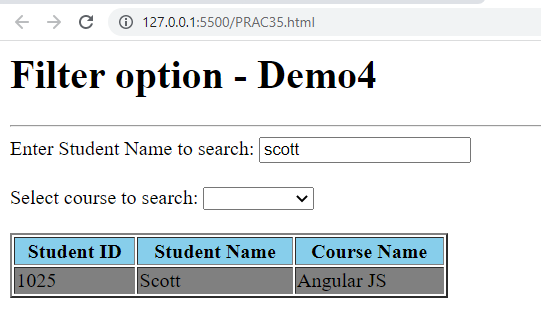
</div>

</body>

</html>

**Output** :

****

****

# Practical 36

**Aim :** Create a webpage to organize product of data so that it always the user to search and sorting . Product details (product name, brand price, picture)

**Line of Code:**

<!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>Document</title>

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

<script>

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

obj.controller("Democontroller",function($scope)

{

$scope.students=[

{pname:"Dell Laptop",brand:"Dell",unit:85000,image:"cam1.jpg"},

{pname:"Sony Laptop",brand:"Sony",unit:56000,image:"cam2.jpg"},

{pname:"Lenovo Laptop",brand:"Lenovo",unit:75000,image:"cam3.jpg"}

];

$scope.s1="";

$scope.s2="";

});

</script>

</head>

<body ng-app="myApp">

<h1>Filter option - Demo4 </h1>

<hr>

<div ng-controller="Democontroller">

Enter Product Name to search:

<input type="text" ng-model="s1"/><br><br>

Select Brand to search:

<select ng-model="s2">

<option>Dell</option>

<option>Sony</option>

<option>Lenovo</option>

<option value=" ">All courses</option>

</select><br><br>

<table border="2" width="400px">

<tr>

<th colspan="5">Product Details</th>

</tr>

<tr bgcolor="Skyblue">

<th>Product Name</th>

<th>Brand</th>

<th>Unit Price</th>

<th>Picture</th>

</tr>

<tr bgcolor="Grey" ng-repeat="item in students|filter : {'pname':s1,'brand':s2}">

<td>{{item.pname}}</td>

<td>{{item.brand}}</td>

<td>{{item.unit}}</td>

<td><img border="1" height="90" width="150" src="{{item.image}}"></td>

</tr>

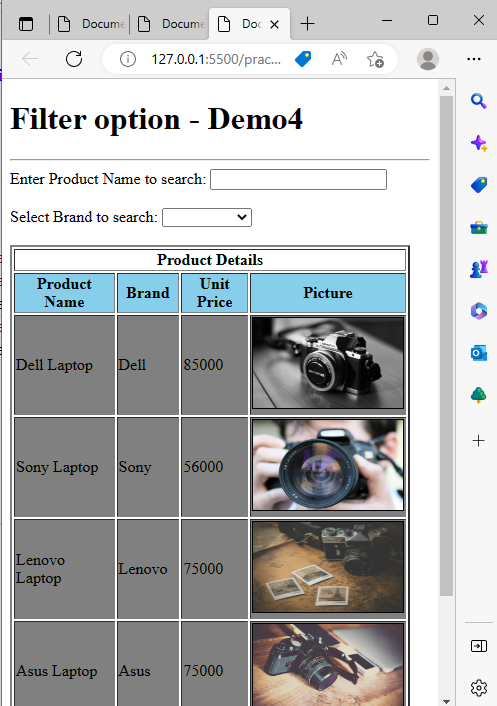
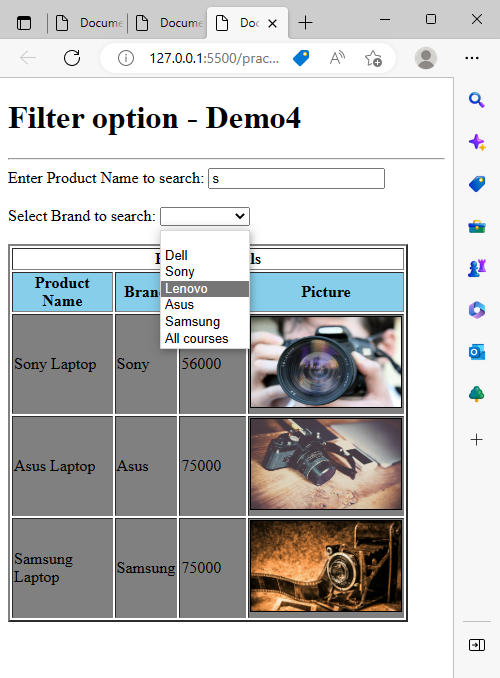
</table>

</div>

</body>

</html>

**OUTPUT:-**

****

# Practical 37

**Aim :** Create a webpage to perform key event directives “ng-keydown” in Angular.Js

**Line of Code:**

<!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>Document</title>

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

</head>

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

<body ng-app="">

<input ng-keydown="count=count+1" ng-init="count=0">

<h3>{{count}}</h3>

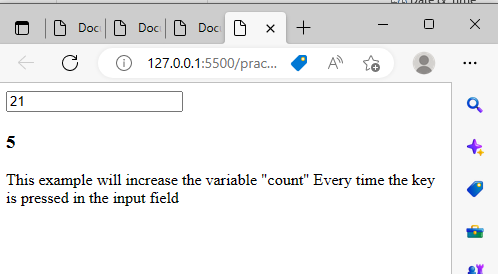
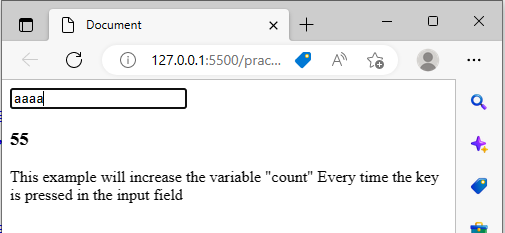
<p>This example will increase the variable "count" Every time the key is pressed in the input field</p>

</body>

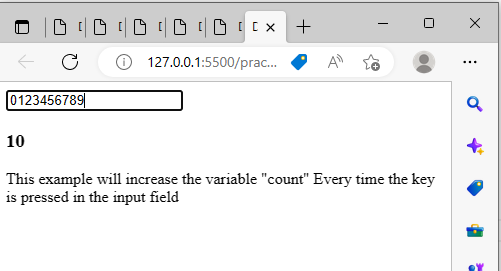
</html>

**OUTPUT:-**

1.

****

2.

****

**3.**

# Practical 38

**Aim :** Create a webpage to perform Mouse event directives “ng-mousedown ” in Angular.Js

**Line of Code:**

<!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>Document</title>

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

</head>

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

<body ng-app="">

<div ng-mousedown="count=count+1" ng-init="count=0"> CLICK ME !!!</div>

<h3>{{count}}</h3>

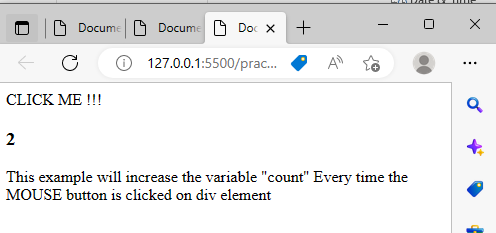
<p>This example will increase the variable "count" Every time the MOUSE button is clicked on div element </p>

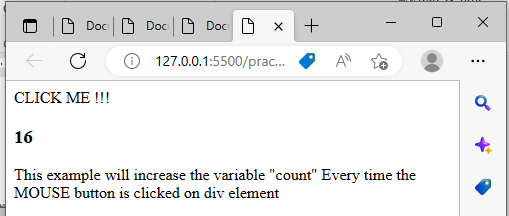
</body>

</html>

**OUTPUT:-**

A:- mouse move and click me

****

****

# Practical 39

**Aim :** Create a webpage to perform Mouse event in option of mouse enter and mouse leave .

**Line of Code :**

<!--Mouse Event-->

<!DOCTYPE html>

<html><head>

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

<style>

.redDiv {

width: 100px;

height: 100px;

background-color: red;

padding:2px 2px 2px 2px;}

.yellowDiv {

width: 100px;

height: 100px;

background-color: yellow;

padding:2px 2px 2px 2px;}

</style>

</head>

<body ng-app>

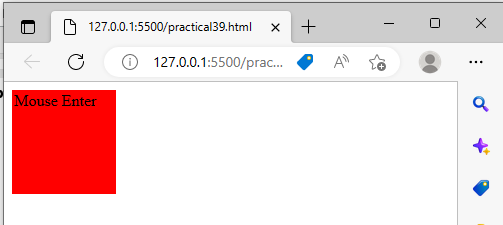
<div ng-class="{redDiv: enter, yellowDiv: leave}" ng-mouseenter="enter=true;leave=false;" ng-mouseleave="

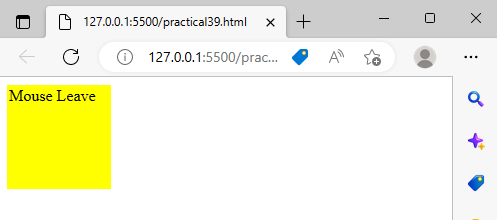
leave=true;enter=false">

Mouse <span ng-show="enter">Enter</span> <span ng-show="leave">Leave</span>

</div></body> </html>

**OUTPUT:-**

****

****

# Practical 40

**Aim :** Write a script to create a web page to implement login function using Angular JS events.

**Line of Code :**

<!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>Document</title>

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

<script>

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

obj.controller("Democontroller",function($scope)

{

$scope.uid="";

$scope.pwd="";

$scope.message="";

$scope.str="Black";

$scope.login=function()

{

if($scope.uid=="admin" && $scope.pwd=="admin123")

{

$scope.message="Welcome to ADMINISTRATOR";

$scope.str="Green"

}

else

{

$scope.message="Invalid UserID or Password";

$scope.str="Red"

}

}

});

</script>

</head>

<body ng-app="myApp">

<h1>AngularJS Events Demonstration</h1>

<div ng-controller="Democontroller">

UserName:<input type="text" ng-model="uid"/><br><br>

Password:<input type="text" ng-model="pwd"/><br><br>

<input type="button" ng-click="login()" value="login"/><br><br>

<span style="color:{{str}}">{{message}}</span>

</div>

</body>

</html>

**OUTPUT:-**

# 

# 

# Practical 41

**Aim :** Write a script to create a math operation using Angular JS Events.

**Line of Code :**

<!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>Document</title>

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

</script>

<script>

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

obj.controller("Democontroller", function ($scope) {

$scope.x = "";

$scope.y = "";

$scope.message = "";

$scope.str = "Black";

$scope.result = function (arg) {

$scope.message = parseInt($scope.x) + parseInt($scope.y);

$scope.str = "Red"

}

$scope.result1 = function (arg) {

$scope.message = parseInt($scope.x) - parseInt($scope.y);

$scope.str = "Green"

}

$scope.result2 = function (arg) {

$scope.message = parseInt($scope.x) \* parseInt($scope.y);

$scope.str = "Blue"

}

});

</script>

</head>

<body ng-app="myApp">

<h1>AngularJS Events Demonstartion</h1>

<div ng-controller="Democontroller">

Enter First Number:<input type="text" ng-model="x" /><br><br>

Enter Second Number:<input type="text" ng-model="y" /><br><br>

<input type="button" ng-click="result()" value="Sum">

<input type="button" ng-click="result1()" value="Minus">

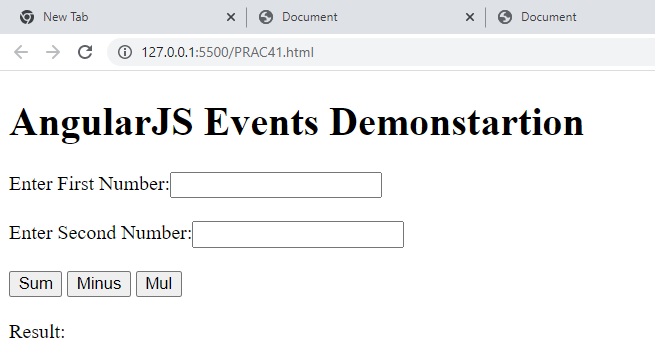
<input type="button" ng-click="result2()" value="Mul"><br><br>

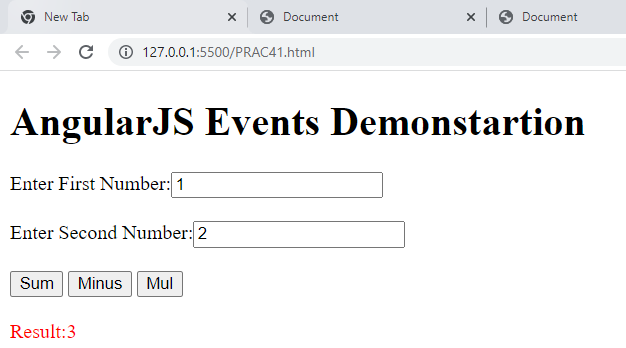
<span style="color:{{str}}">Result:{{message}}</span>

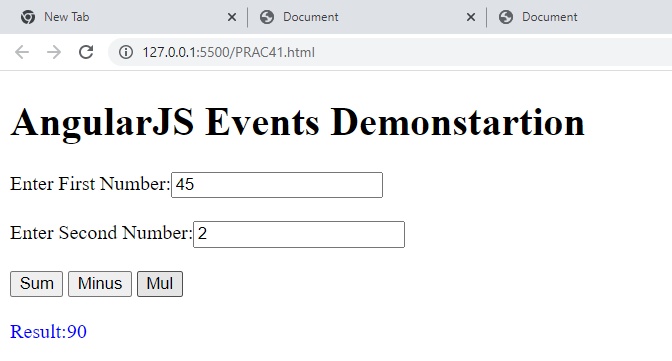
</div></body>

</html>

**OUTPUT:-**







# Practical 42

**Aim :** Write a script by using built in object $scope in Angular JS which contain application data and method.

**Line of Code :**

<!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>Document</title>

<script

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

</head>

<script>

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

myApp.controller("myController", function ($scope, $window)

{

$scope.DisplayMessage=function(value)

{

$window.alert("Ultro in the flash!!!!!!1"+value)

}

});

</script>

<body ng-app="myApp">

<div ng-controller="myController">

Enter Password: <input type="password" ng-model="pass"/> <br/>

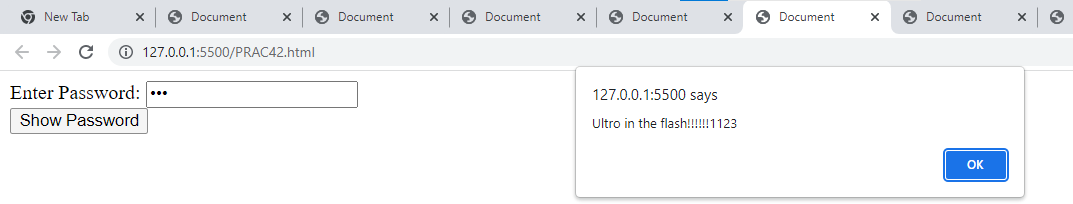
<button ng-click="DisplayMessage(pass)"> Show Password</button>

</div>

</body>

</html>

**OUTPUT:-**



# Practical 43

**Aim :** Write a script to demonstrate $rootscope in Angular JS.

**Line of Code :**

<!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>Document</title>

<script

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

</head>

<script>

var ngApp = angular.module('myNgApp', []);

ngApp.controller('parentController', function ($scope, $rootScope) {

$scope.controllerName = "parentController";

$rootScope.message = "Hello World!";

});

ngApp.controller('childController', function ($scope) {

$scope.controllerName = "childController";

});

ngApp.controller('siblingController', function ($scope) {

$scope.controllerName = "siblingController";

});

</script>

<body ng-app="myNgApp">

<div ng-controller="parentController">

Controller Name: {{controllerName}} <br />

Message: {{message}} <br />

<div style="margin:20px 0 20px 40px;" ng-controller="childController">

Controller Name: {{controllerName}} <br />

Message: {{message}} <br />

</div>

</div>

<div ng-controller="siblingController">

Controller Name: {{controllerName}} <br />

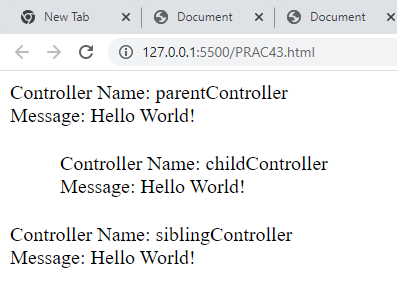
Message: {{message}} <br />

</div>

</body>

</html>

**OUTPUT:-**



# Practical 44

**Aim :** Write a webpage to demonstrate single page application (SPA) using Angular JS.

**Line of Code :**

**About.html**

<div class="jumbotron text-center">

<h1>About Page</h1>

<p>{{ message }}</p>

</div>

**Contact.html**

<div class="jumbotron text-center">

<h1>Contact Page</h1>

<p>{{ message }}</p>

</div>

**home.html**

<div class="jumbotron text-center">

<h1>Home Page</h1>

<p>{{ message }}</p>

</div>

**home.html**

<!DOCTYPE html>

<html ng-app="myApp"> <head>

<!-- SCROLLS -->

<!-- load bootstrap and fontawesome via CDN -->

<link rel="stylesheet" href="//netdna.bootstrapcdn.com/bootstrap/3.0.0/css/bootstrap.min.css" />

<link rel="stylesheet" href="//netdna.bootstrapcdn.com/font-awesome/4.0.0/css/font-awesome.css" />

<!-- SPELLS -->

<!-- load angular and angular route via CDN -->

<script src="https://ajax.googleapis.com/ajax/libs/angularjs/1.2.25/angular.min.js"></script>

<script src="//ajax.googleapis.com/ajax/libs/angularjs/1.2.25/angular-route.js"></script>

<script src="script.js"></script></head>

<body ng-controller="mainController">

<!-- HEADER AND NAVBAR -->

<header>

<nav class="navbar navbar-default">

<div class="container">

<div class="navbar-header">

<a class="navbar-brand" href="/">Angular Routing Example</a>

</div>

<ul class="nav navbar-nav navbar-right">

<li><a href="#"><i class="fa fa-home"></i> Home</a></li>

<li><a href="#about"><i class="fa fa-shield"></i> About</a></li>

<li><a href="#contact"><i class="fa fa-comment"></i> Contact</a></li>

</ul> </div></nav> </header>

<!-- MAIN CONTENT AND INJECTED VIEWS -->

<div id="main">

<!-- angular templating -->

<!-- this is where content will be injected -->

<div ng-view></div>

</div> </body> </html>

**Script.js**

// create the module and name it scotchApp

// also include ngRoute for all our routing needs

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

// configure our routes

myApp.config(function($routeProvider) {

$routeProvider

// route for the home page

.when('/', {

templateUrl : 'home.html',

controller : 'mainController'

})

// route for the about page

.when('/about', {

templateUrl : 'about.html',

controller : 'aboutController'

})

// route for the contact page

.when('/contact', {

templateUrl : 'contact.html',

controller : 'contactController'

});

});

// create the controller and inject Angular's $scope

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

// create a message to display in our view

$scope.message = 'Everyone come and see how good I look!';

});

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

$scope.message = 'Look! I am an about page.';

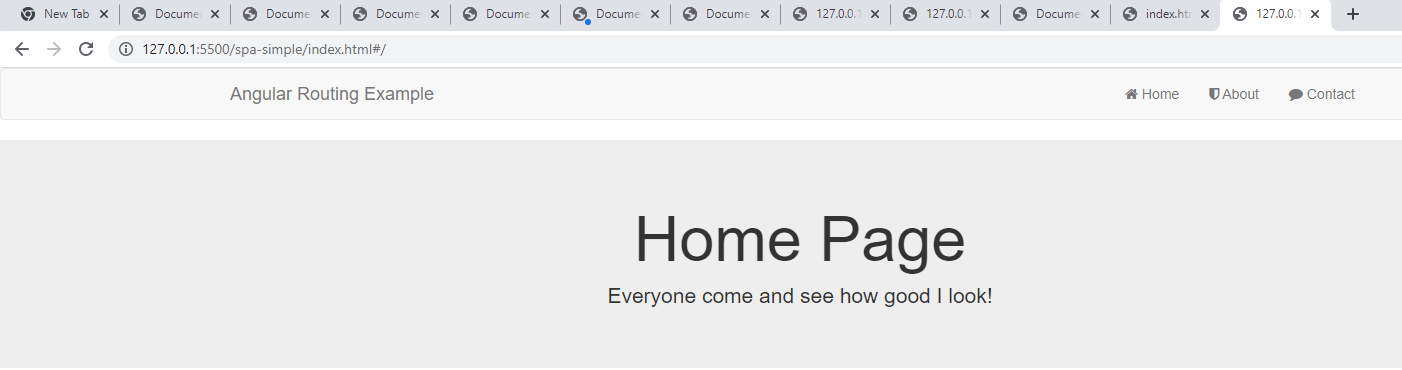
});

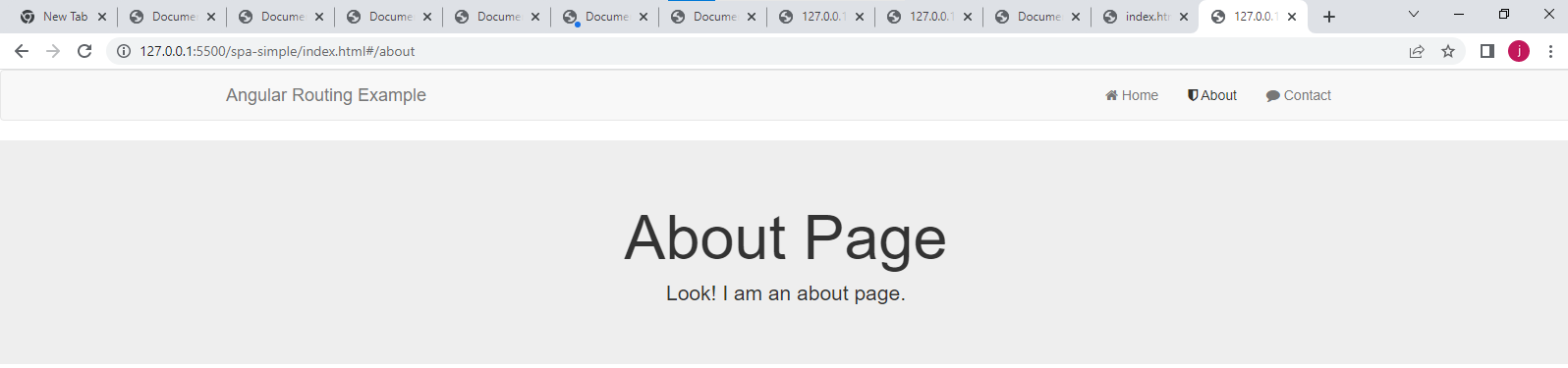
myApp.controller('contactController', function($scope) {

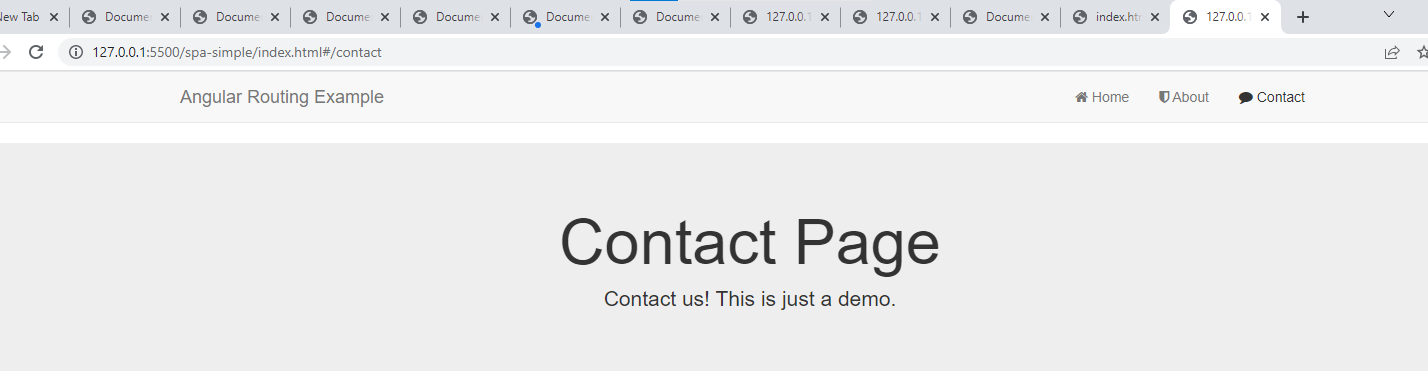
$scope.message = 'Contact us! This is just a demo.';

});

**OUTPUT:-**







# Practical 45

**Aim :** Write a webpage to demonstrate Advanced single page application (SPA) using Angular JS.

**Line of Code :**

**App.js**

//creating module object

var myApp = angular.module("myApp", ["ngRoute", "ngResource"]);

//create configuration with module object it provides route details

myApp.config(function ($routeProvider) {

$routeProvider.when("/Route1", {

templateUrl: "Students.html",

controller: "StudentsController",

});

$routeProvider.when("/Route2", {

templateUrl: "Courses.html",

controller: "CoursesController",

});

});

//Controller for Students.html

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

$scope.Sname = "Scott";

$scope.Course = "AngularJS";

});

//Controller for Courses.html

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

$scope.Courses = ["AngularJS", "PHP", "jQuery", "JSP", "ASP"];

});

**Courses.html**

<h3>Course Details</h3>

<hr />

<ul>

<li ng-repeat="item in Courses">{{item}}</li>

</ul>

**Students.html**

<h3>Student Details</h3><hr/>

<span>Student Name:{{Sname}}</span><br/>

<span>Course Name:{{Course}}</span>

**Students.html**

<html>

<head>

<style>

#div1 {

margin: 15px;

padding: 15px;

border: 2px Solid green;

background-color: lightyellow;

}

</style>

<script src="https://ajax.googleapis.com/ajax/libs/angularjs/1.2.7/angular.js"></script>

<script src="https://ajax.googleapis.com/ajax/libs/angularjs/1.2.7/angular-route.js"></script>

<script src="https://ajax.googleapis.com/ajax/libs/angularjs/1.2.7/angular-resource.js"></script>

<script src="./app.js"></script>

<link href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css" rel="stylesheet" />

</head>

<body ng-app="myApp">

<h1>SPA with AJS Routing Demo</h1>

<hr />

<a href="#Route1"> Student Details</a>

<a href="#Route2"> Course Details</a>

<hr />

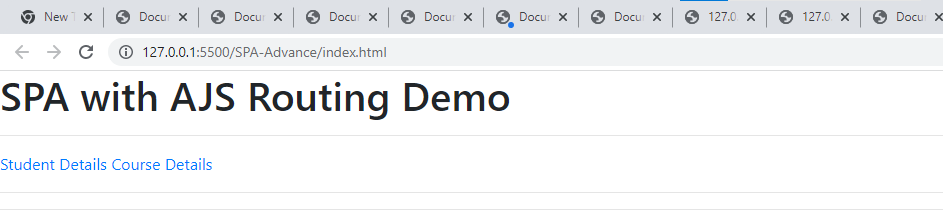
<div id="div1" ng-view></div>

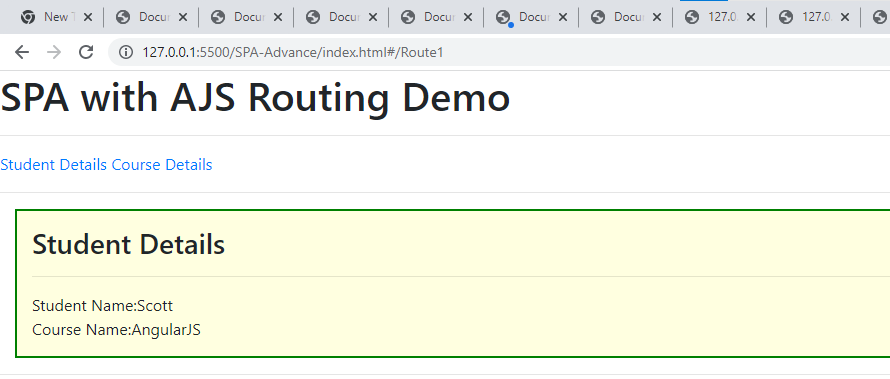
<hr />

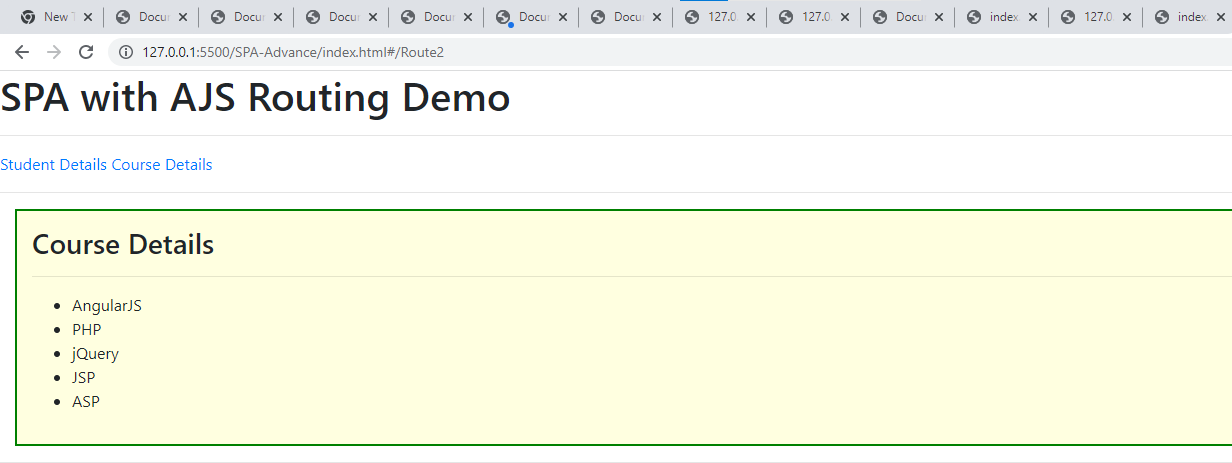
</body>

</html>

**OUTPUT:-**







**Practical No 46**

**Aim: Create a webpage to sort the student detail based on Selected column using order by filter in Angular JS.**

**Line of Code –**

<html>

<head>

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

<script>

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

obj.controller ("DemoController", function ($scope) {

$scope.Students=[

{sid: 1025, sname: "Scott", course:" AngularJS"},

{sid:1026, sname: "Smith", course :"jQuery" },

{sid :1027, sname: "Abrons", course: "Html"},

{sid:1028, sname: 'James', course:"CSS"},

{sid:1029, sname:" Adam", course: "JavaScript"}

];

$scope.x = false;

$scope.y = "sid";

});

</script>

</head>

<body ng-app="myApp">

<h1>order By filters- Demo3</h1>

<hr/>

<div ng-controller="DemoController">

<table border="2" width='350px'>

<tr bgcolor = "SkyBlue">

<th ><a href="" ng-click="x=|x";y='sid'> Student ID</a></th>

<th ><a href="" ng-click="x=|x";y='sname'>Student Name</a></th>

<th ><a href="" ng-click="x=|x";y='course'>Course Name </a></th> </tr>

<tr bgcolor="Pink" ng-repeat="item in Students | orderBy:y:x">

<td> {{item.sid}} </td>

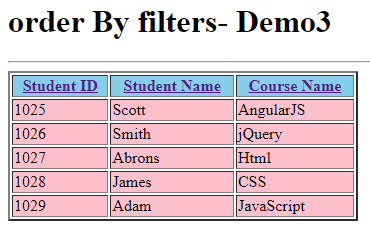
<td> {{item.sname}} </td>

<td> {{item.course}} </td> </tr>

</table>

</div>

</body>

</html>

**Output Screen** –

**Practical No 47**

**Aim: Write a webpage to perform Mouse Event Directives “ng-mouseenter” in Angular JS.**

**Line of Code –**

<!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>Document</title>

<script

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

<body ng-app="">

<div ng-mouseenter="count = count + 1" ng-init="count=0">Click me!</div>

<h1>{{count}}</h1>

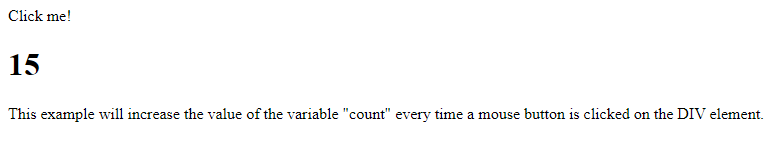
<p>This example will increase the value of the variable "count" every time a mouse button

is clicked on the DIV element.</p>

</body>

</html>

**Output Screen** –



**Practical No 48**

**Aim: Create a webpage to demonstrate Single Page Application (SPA) using Angular JS.**

**Line of Code –**

**Index.html**

<!doctype html>

<html ng-app="myApp">

<head>

<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-EVSTQN3/azprG1Anm3QDgpJLIm9Nao0Yz1ztcQTwFspd3yD65VohhpuuCOmLASjC" crossorigin="anonymous">

<script src="https://cdnjs.cloudflare.com/ajax/libs/angular.js/1.4.7/angular.min.js"></script>

<script src="https://cdnjs.cloudflare.com/ajax/libs/angular.js/1.4.7/angular-route.min.js"></script>

</head>

<body>

<nav class="navbar navbar-expand-lg navbar-light bg-light">

    <div class="container-fluid">

      <a class="navbar-brand" href="#/">Navbar</a>

      <button class="navbar-toggler" type="button" data-bs-toggle="collapse" data-bs-target="#navbarNav" aria-controls="navbarNav" aria-expanded="false" aria-label="Toggle navigation">

        <span class="navbar-toggler-icon"></span>

      </button>

      <div class="collapse navbar-collapse" id="navbarNav">

        <ul class="navbar-nav">

          <li class="nav-item">

            <a class="nav-link active" aria-current="page" href="#/">Home</a>

          </li>

          <li class="nav-item">

            <a class="nav-link" href="#/About">About</a>

          </li>

          <li class="nav-item">

            <a class="nav-link" href="#/Contact">Contact</a>

          </li>

        </ul>

      </div>

    </div>

</nav>

<script type="text/ng-template" id="pages/Home.html">

<div class="container mt-5">

  <h1>Home</h1>

  <h3>{{message}}</h3>

</div>

</script>

<script type="text/ng-template" id="pages/About.html">

  <div class="container mt-5">

    <h1>About</h1>

    <h3>{{message}}</h3>

  </div>

</script>

<script type="text/ng-template" id="pages/Contact.html">

  <div class="container mt-5">

    <h1>Contact</h1>

    <h3>{{message}}</h3>

  </div>

</script>

<div ng-view></div>

<script src="Script.js"></script>

<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.bundle.min.js" integrity="sha384-MrcW6ZMFYlzcLA8Nl+NtUVF0sA7MsXsP1UyJoMp4YLEuNSfAP+JcXn/tWtIaxVXM" crossorigin="anonymous"></script>

</body>

</html>

**Script.js**

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

app.config(function($routeProvider) {

$routeProvider

.when('/', {

templateUrl : 'pages/Home.html',

controller : 'HomeController'

})

.when('/About', {

templateUrl : 'pages/About.html',

controller : 'AboutController'

})

.when('/Contact', {

templateUrl : 'pages/Contact.html',

controller : 'ContactController'

})

.otherwise({redirectTo: '/'});

});

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

    $scope.message = 'Everyone come to HOME page and see how good I look!';

    });

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

    $scope.message = 'Look! I am an about page.';

    });

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

    $scope.message = 'Contact us! This is just a demo.';

});

**Output Screen** –

