

# **Practical on CS-425 Lab on Angular JS**

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## Practical 1 : Write a program to print “Hello world!” using angular js script.

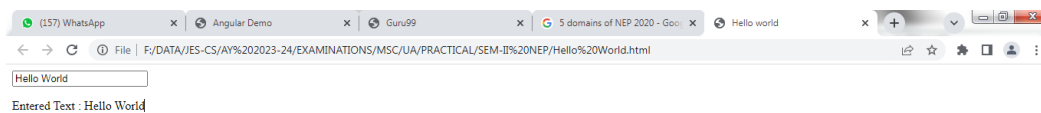
```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="utf-8" />
<title>Hello world </title>
<script src="http://ajax.googleapis.com/ajax/libs/angularjs/1.4.8/angular.
min.js"></script>

<script type="text/javascript">

var myApp= angular.module("AngularApp",[]);
myApp.controller("HelloController", function($scope)
{
    $scope.txtname = "";
});

</script>
</head>

<body ng-app="AngularApp">
<div ng-controller="HelloController">
<input type="text" ng-model = "txtname">
<p>Entered Text : {{txtname}}</p>
</div></body></html>
```



## Practical 2:. Write an Angular JS script to demonstrate arithmetic expressions.

```
<!DOCTYPE html>

<html>

<head>

<script
src="https://ajax.googleapis.com/ajax/libs/angularjs/1.6.9/angular.min.js"></scri
pt>

</head>

<body>

<h1>AngularJS script to demonstrate arithmetic expressions </h1>


<div ng-app="">

<p>Addition of two nos: {{ 5 + 5 }}</p>

<p>subtraction of two nos: {{ 5 - 2 }}</p>

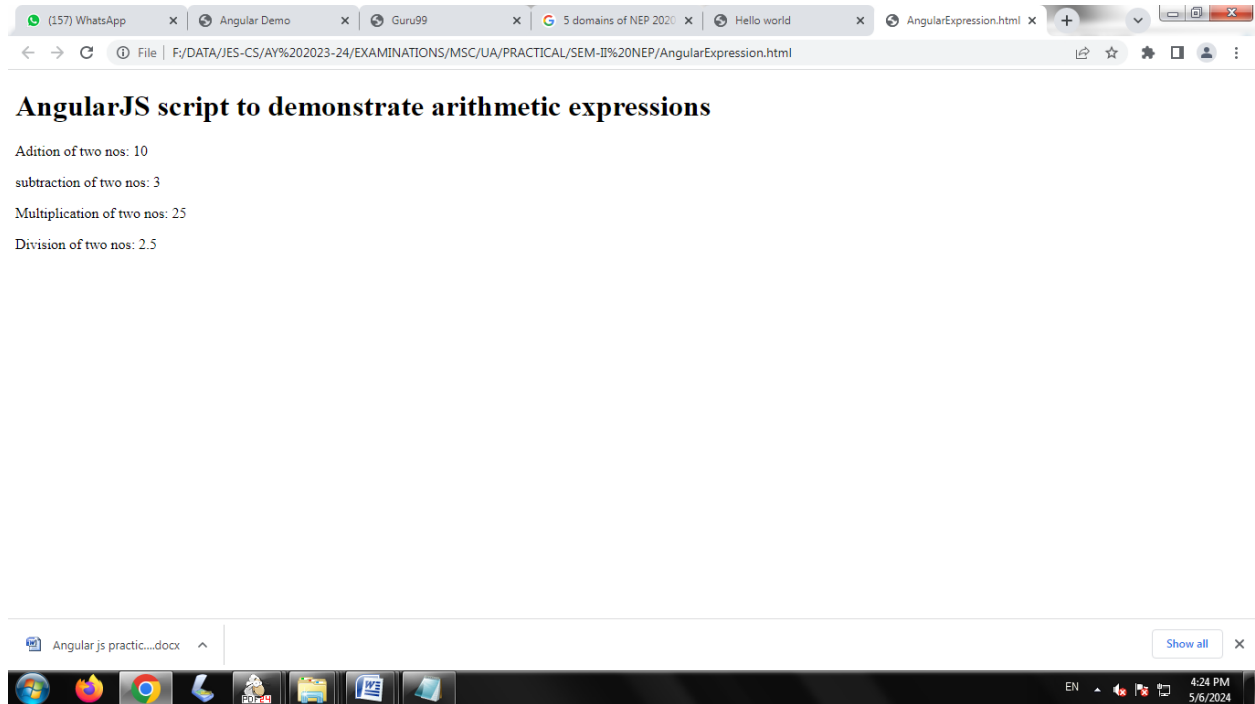
<p>Multiplication of two nos: {{ 5 * 5 }}</p>

<p>Division of two nos: {{ 5 / 2 }}</p>

</div>

</html>
```

## Output



## Practical 3: Write an Angular JS script to add Modules and Controller.

### //Controller

### //DemoController.js

```
app.controller('DemoController', function ($scope)
{
    $scope.list = ['A', 'E', 'I', 'O', 'U'];
    $scope.choice = 'Your choice is: Nothing';
    $scope.ch = function (choice)
    {
        $scope.choice = "Your choice is: "+choice;
```

```
};  
  
$scope.c = function ()  
{  
    $scope.choice = "Your choice is: "+$scope.mychoice;  
};  
}  
);
```

## **// Module**

### **//DemoApp.js**

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

### **//index.html**

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
    <title>
```

```
        Modules and Controllers Demo
```

```
    </title>
```

```
    <script
```

```
src="https://ajax.googleapis.com/ajax/libs/angularjs/1.6.9/angular.min.js">
```

```
    </script>
```

```
    <script src="./DemoApp.js"></script>
```

```
    <script src="./DemoController.js"></script>
```

```
</head>
```

```
<body ng-app="DemoApp">
```

```
<h1 style="color:green"> Modules and Controllers Demo</h1>
```

```
<h3>AngularJS Modules</h3>
```

```
<h4>
```

```
    Using controllers in Module
```

```
</h4>
```

```
<div ng-app="DemoApp"
```

```
    ng-controller="DemoController">
```

```
    Vowels List :
```

```
    <button ng-click="ch('A')">A</button>
```

```
    <button ng-click="ch('E')">E</button>
```

```
    <button ng-click="ch('I')">I</button>
```

```
    <button ng-click="ch('O')">O</button>
```

```
    <button ng-click="ch('U')">U</button>
```

```
<p>{{choice}}</p>
```

```
Vowels List :
```

```
<select ng-options="option for option in list"
```

```
    ng-model="mychoice"
```

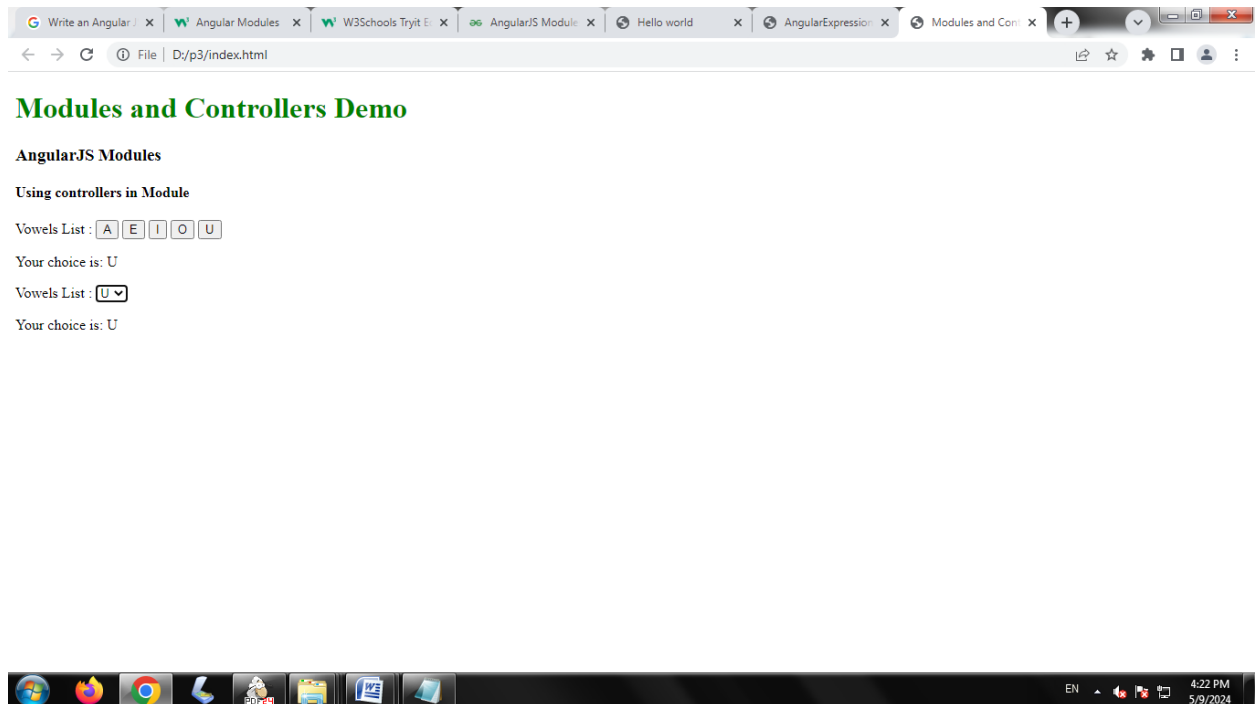
```
    ng-change="c()">
```

```
</select>
```

```
<p>{{choice}}</p>
</div>
</body>

</html>
```

## Output



**Practical 4: Write an Angular JS script to print first name and last name using angular js controller.**

```
<!DOCTYPE html>

<html>

<script
src="https://ajax.googleapis.com/ajax/libs/angularjs/1.6.9/angular.min.js">

</script>

<body>

<p>Try to change the names.</p>

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

First Name: <input type="text" ng-model="firstName"><br>

Last Name: <input type="text" ng-model="lastName"><br>

<br>

Full Name: {{firstName + " " + lastName}}

</div>

<script>

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

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

    $scope.firstName= "Chetna";

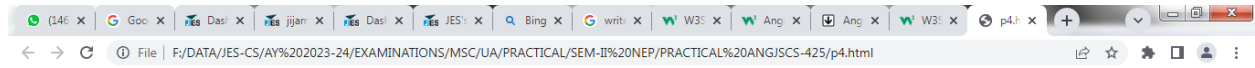
    $scope.lastName= "Shinde";

});

</script></body></html>
```



## Output



**Enter First Name and Last Name to change the name in name textbox.**

First Name:   
Last Name:   
Full Name: Chetna Shinde



## Practical 5: Write an Angular JS script to demonstrate the use of services.

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
<title>
```

AngularJs Custom Service Example

```
</title>
```

```
<script
```

```
src="http://ajax.googleapis.com/ajax/libs/angularjs/1.4.8/angular.min.js"></scrip  
t>
```

```
<script type="text/javascript">
```

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

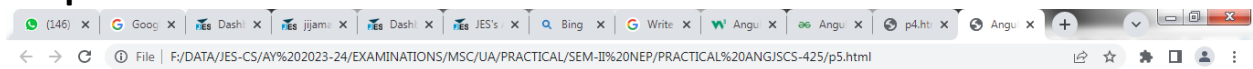
```
app.service('angularServices', function ($http) {
```

```

this.squareofnumber = function (x) {
return x * x;
}
});
app.controller("angularController", function ($scope, angularServices) {
$scope.getresult = angularServices.squareofnumber(10);
});
</script>
</head>
<body ng-app="appServices">
<div ng-controller="angularController">
<h1>AngularJS Custom Service Example</h1>
Square of Number 10 : <b>{{getresult}}</b>
</div></body></html>

```

## Output



### AngularJS Custom Service Example

Square of Number 10 : 100



## **Practical 6: Write an Angular JS script to demonstrate the use of Tables.**

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
<title>
```

AngularJs Tables Example with ng-repeat Directive

```
</title>
```

```
<script
```

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

```
<script type="text/javascript">
```

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

```
app.controller("tablesCtrl", function ($scope)
```

```
{
```

```
    $scope.users = [{ name: "Neha Das", age: 30, location:'Nagpur' },
```

```
    { name: "Chetna Shinde", age: 24, location:'Chennai' },
```

```
    { name: "Rohini Kale", age: 29, location:'Chennai' },
```

```
    { name: "Pranav Kumar", age: 24, location:'Bangalore'}];
```

```
});
```

```
</script>
```

```
<style type="text/css">
table, tr , td {border:1px solid grey;
border-collapse: collapse;
padding: 3px;
}
</style>

</head>

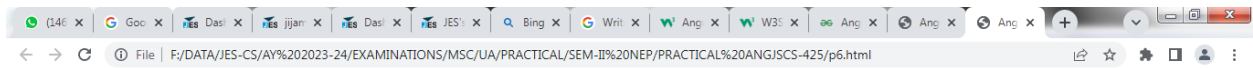
<body ng-app="tablesApp">
<div ng-controller="tablesCtrl">
<h2>AngularJS Tables Example</h2>
<table>
<tr>
<td>Name</td>
<td>Age</td>
<td>Location</td>
</tr>
<tr ng-repeat="user in users">
<td>{{user.name}}</td>
<td>{{user.age}}</td>
<td>{{user.location}}</td></tr></table>
```

</div>

</body>

</html>

## Output



### AngularJS Tables Example

Name	Age	Location
Neha Das	30	Nagpur
Chetna Shinde	24	Chennai
Rohini Kale	29	Chennai
Pranav Kumar	24	Bangalore



## 7. Write an Angular JS script to create select box using options.

<!DOCTYPE html>

<html>

<head>

<title>

AngularJs Select Box or Dropdown List example

</title>

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

</head>

<body ng-app="">

<div>

<h3>AngularJS Select Box or Dropdown List Example</h3>

<select name="users" ng-model="userSelect">

<option value="">--Select--</option>

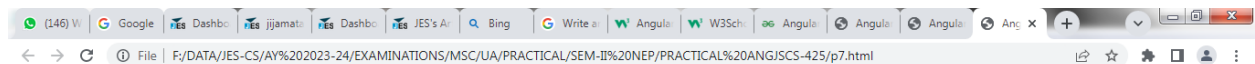
<option value="1">Chetna</option>

<option value="2">Krutika</option>

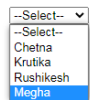
<option value="3">Rushikesh</option>

<option value="4">Megha</option>

</select></div></body></html>
```



#### AngularJS Select Box or Dropdown List Example



## Practical 8: Design a simple form using Angular JS Script.

```
<!DOCTYPE html>
<html>
<head>
<title>
AngularJs Data Binding to Controls in Form
</title>
<script
src="http://ajax.googleapis.com/ajax/libs/angularjs/1.4.8/angular.min.js"
></script>
<script type="text/javascript">
var app = angular.module('formApp', []);
app.controller('formCtrl', function ($scope) {
$scope.fname = "Entre your fist Name ";
$scope.lname = "Enter your last name ";
$scope.getvalues = function () {
$scope.name = $scope.fname + " " + $scope.lname;
}
});
</script>
</head>
<body align=center>
<h1>Simple form using Angular JS </h1>
<div ng-app="formApp" ng-controller="formCtrl">
<form novalidate>
First Name:<input type="text" ng-model="fname" /><br /><br />
Last Name:<input type="text" ng-model="lname" /><br /><br />
<input type="button" value="Get Values" ng-click="getvalues()" />
<p>Full Name: {{ name }}</p>
</form>
</div>
</body>
</html>
```

## Output



### Practical 9 : Design a simple form and apply validation to it.

```
<!DOCTYPE html>
<html>
<head>
<title>
AngularJs Form Input Fields Validation Example
</title>
<script
src="http://ajax.googleapis.com/ajax/libs/angularjs/1.4.8/angular.min.js"></script>
<script>
var app = angular.module('formApp', []);
app.controller('formCtrl', function ($scope) {
$scope.sendForm = function () {
$scope.msg='Form Submitted Successfully';
```



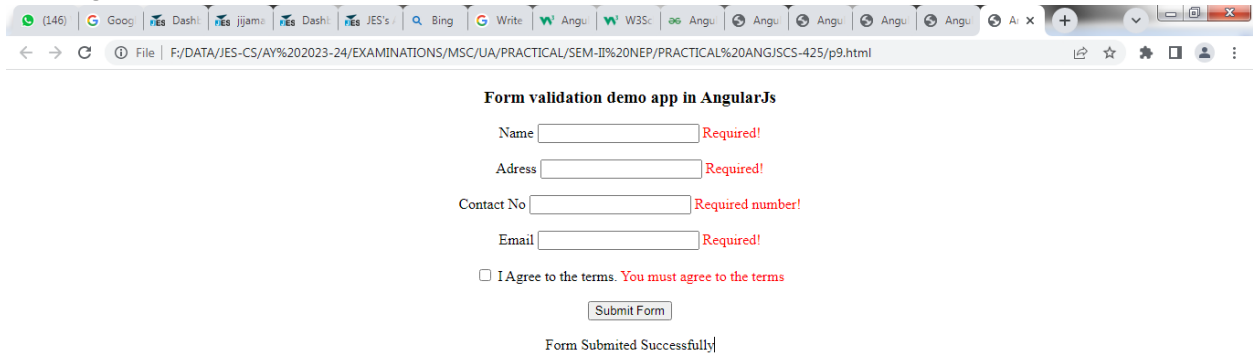
```

});
$scope.getClass = function (color) {
return color.toString();
}
});
</script>
<style>
.valid.false {
background:red;
}
.valid.true {
background:green;
}
.error {
color: red;
}
</style>
</head>
<body ng-app="formApp" ng-controller="formCtrl" align="center">
<h3>Form validation demo app in AngularJs</h3>
<form name="personForm" ng-submit="sendForm()">
<label for="name">Name</label>
<input id="name" name="name" type="text" ng-model="person.name"
required />
<span class="error" ng-show="personForm.name.$error.required">
Required! </span>
<br /><br />
<label for="adress">Adress</label>
<input id="address" name="address" type="text" ng-
model="person.address" required />
<span class="error" ng-show="personForm.address.$error.required">
Required! </span>
<br /><br />
<label for="contact">Contact No</label>

```

```
<input id="mobile" name="mobile" type="number" ng-
model="person.mobile" required />
<span class="error" ng-
show="personForm.mobile.$error.required">Required
number!</span>
<span class="error" ng-
show="personForm.mobile.$error.mobile">Invalid mobile!</span>
<br /><br />
<label for="email">Email</label>
<input id="email" name="email" type="email" ng-
model="person.email" required />
<span class="error" ng-
show="personForm.email.$error.required">Required!</span>
<span class="error" ng-show="personForm.email.$error.email">Invalid
Email!</span>
<br /><br />
<input type="checkbox" ng-model="terms" name="terms" id="terms"
required />
<label for="terms">I Agree to the terms.</label>
<span class="error" ng-show="personForm.terms.$error.required">You
must agree to the terms</span>
<br /><br />
<button type="submit">Submit Form</button>
<br /><br />
<span>{{msg}}</span>
</form>
</body>
</html>
```

# Output 1



Form validation demo app in AngularJs

Name  Required!

Adress  Required!

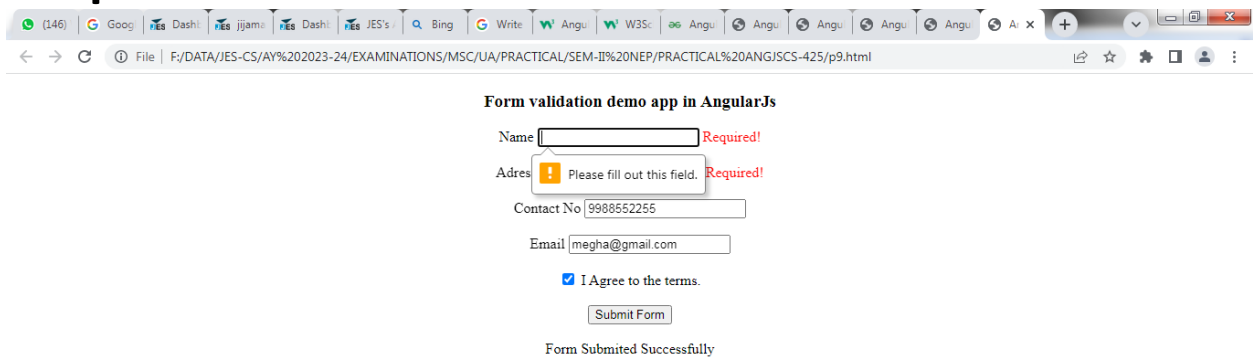
Contact No  Required number!

Email  Required!

☐ I Agree to the terms. You must agree to the terms

Form Submitted Successfully

# Output 2



Form validation demo app in AngularJs

Name  Required!

Adress  Please fill out this field. Required!

Contact No

Email

☒ I Agree to the terms.

Form Submitted Successfully

# Output 3

