

## PRACTICAL 1

### Create a single web page with the model view controller & validate it

#### First AngularJS Program

```

<!DOCTYPE html>
<html>
<head>
    <title>First JS Program</title>
    <script
src="https://ajax.googleapis.com/ajax/libs/angularjs/1.6.9/angular.min.js">
</script>
    <script type="text/javascript">
        var app = angular.module("myapp", []);
        app.controller("mycontroller", function($scope) {
        });
    </script>
</head>

<body>
    <div ng-app="myapp" ng-controller="mycontroller">
        <form>
            <input type="text" ng-model="name" placeholder="Enter your
name"><br><br>

            <label>
                Select:
                <input type="checkbox" ng-model="checkbox">
            </label>
            <br><br>

            <h1>Name is: {{name}}</h1>
            <h1>The value of checkbox is: {{checkbox}}</h1>

            <h1 style="color: green;">Select one topic</h1>

            <label><input type="radio" ng-model="mweb" value="php">
PHP</label><br>
            <label><input type="radio" ng-model="mweb" value="java">
Java</label><br>
            <label><input type="radio" ng-model="mweb" value="python">
Python</label><br>

            <h1 style="color: red;">The value of radio is: {{mweb}}</h1>

            <label for="myvar">Select:</label>
            <select id="myvar" ng-model="myvar">
                <option value="a">A</option>
                <option value="b">B</option>
                <option value="c">C</option>
                <option value="d">D</option>
            </select>

            <h1 style="color: red;">Selected value is: {{myvar}}</h1>
        </form>
    </div>
</body>
</html>

```

select:

**Name is:**

**The value of checkbox is:**

**select one topic**

select:  PHP  
 select:  Java  
 select:  Python

**The value of radio is:**

selected value is:

### AngularJS Custom Filter Example

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Custom Filter Example</title>

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

    <script type="text/javascript">
        var app = angular.module("myApp", []);

        app.controller("myController", function($scope) {
            $scope.users = [
                { name: "m1", city: "ahm", gender: 1 },
                { name: "m2", city: "vapi", gender: 2 },
                { name: "m3", city: "brd", gender: 3 },
                { name: "m4", city: "brd", gender: 3 },
                { name: "m5", city: "brd", gender: 2 },
                { name: "m6", city: "brd", gender: 3 },
                { name: "m6", city: "brd", gender: 0 }
            ];
        });

        app.filter("gender", function() {
            return function(input) {
                switch (input) {
                    case 1:
                        return "Male";
                    case 2:
                        return "Female";
                    case 3:
                        return "Not Recorded";
                    default:
                        return "Unknown";
                }
            };
        });
    </script>
```



```
        }
    );
})
</script>
</head>

<body ng-app="myApp" ng-controller="myController" align="center">
<h1>AngularJS Custom Filter Example</h1>

<table border="4" align="center" width="50%" cellpadding="8">
<tr>
<th>Name</th>
<th>City</th>
<th>Gender</th>
</tr>

<tr ng-repeat="u in users">
<td>{{u.name}}</td>
<td>{{u.city}}</td>
<td>{{u.gender | gender}}</td> <!-- Applying the custom filter -->
</tr>
</table>
</body>
</html>
```

Name	City	Gender
m1	ahm	Male
m2	vapi	Female
m3	brd	not recorded
m4	brd	not recorded
m5	brd	Female
m6	brd	not recorded
m6	brd	Unknown

### Scope Demo in AngularJS

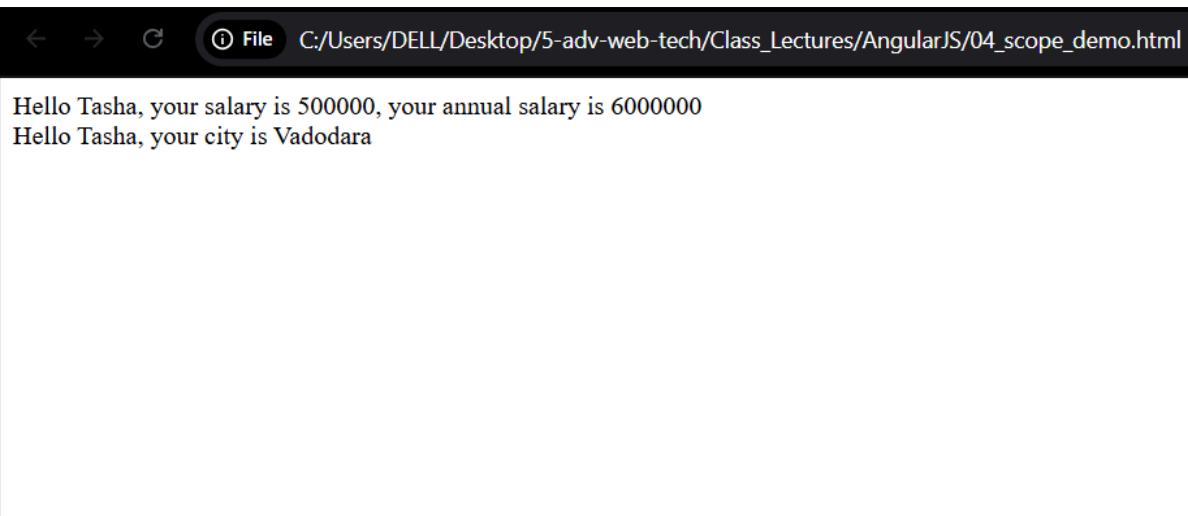
```
<!DOCTYPE html>
<html>
<head>
    <title>First Demo Program for Scope and Controller</title>
    <script
src="https://ajax.googleapis.com/ajax/libs/angularjs/1.5.6/angular.min.js">
</script>
    <script type="text/javascript">
        var app = angular.module("sampleApp", []);
    </script>
```

```

app.controller("emp", ["$scope", function(c) {
    c.name = "Tasha";
    c.sal = 500000;
    c.getAnnualSal = function() {
        return c.sal * 12;
    };
}]);

app.controller("custinfo", ["$scope", function(d) {
    d.Name = "Tasha";
    d.city = "Vadodara";
}]);
</script>
</head>
<body ng-app="sampleApp">
    <div ng-controller="emp">
        Hello {{name}}, your salary is {{sal}}, your annual salary is
        {{getAnnualSal()}}
    </div>
    <div ng-controller="custinfo">
        Hello {{Name}}, your city is {{city}}
    </div>
</body>
</html>

```



### RootScope Demo in AngularJS

```

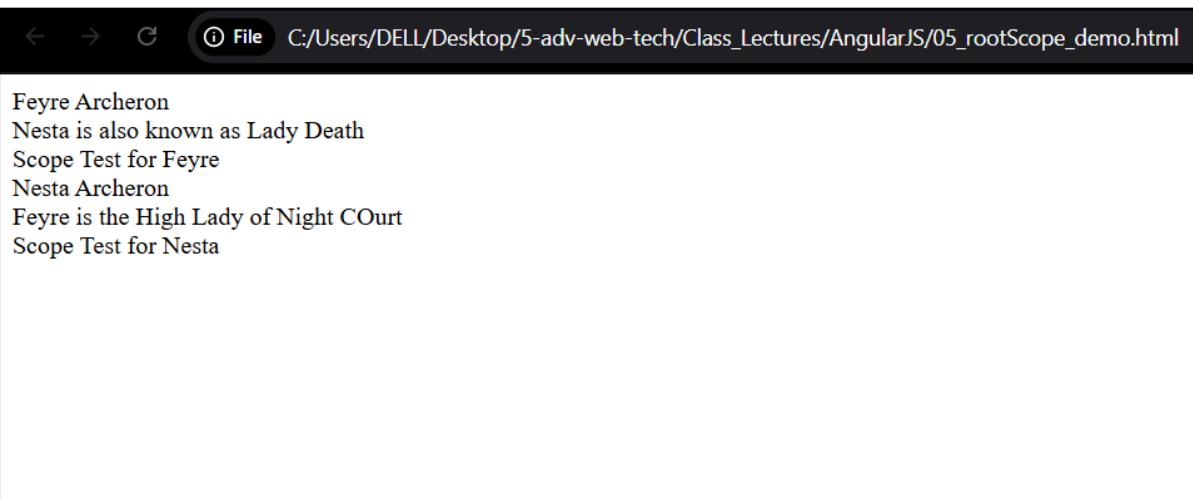
<!DOCTYPE html>
<html>
    <head>
        <title>First Demo Program for RootScope</title>
        <script
src="https://ajax.googleapis.com/ajax/libs/angularjs/1.5.6/angular.min.js">
</script>
        <script type="text/javascript">
            var app = angular.module("sampleApp", []);
            app.controller("controller1", function($scope, $rootScope) {
                $scope.name="Feyre Archeron";
                $rootScope.msg1="Feyre is the High Lady of Night Court";
                $scope.test="Scope Test for Feyre";
            });
            app.controller("controller2", function($scope, $rootScope) {

```

```

        $scope.name="Nesta Archeron";
        $rootScope.msg2="Nesta is also known as Lady Death";
        $scope.test="Scope Test for Nesta";
    });
</script>
</head>
<body ng-app="sampleApp">
    <div ng-controller="controller1">
        {{name}}
        <br>
        {{msg2}}
        <br>
        {{test}}
    </div>
    <div ng-controller="controller2">
        {{name}}
        <br>
        {{msg1}}
        <br>
        {{test}}
    </div>
</body>
</html>

```



### AngularJS One-Way Data Binding Example

```

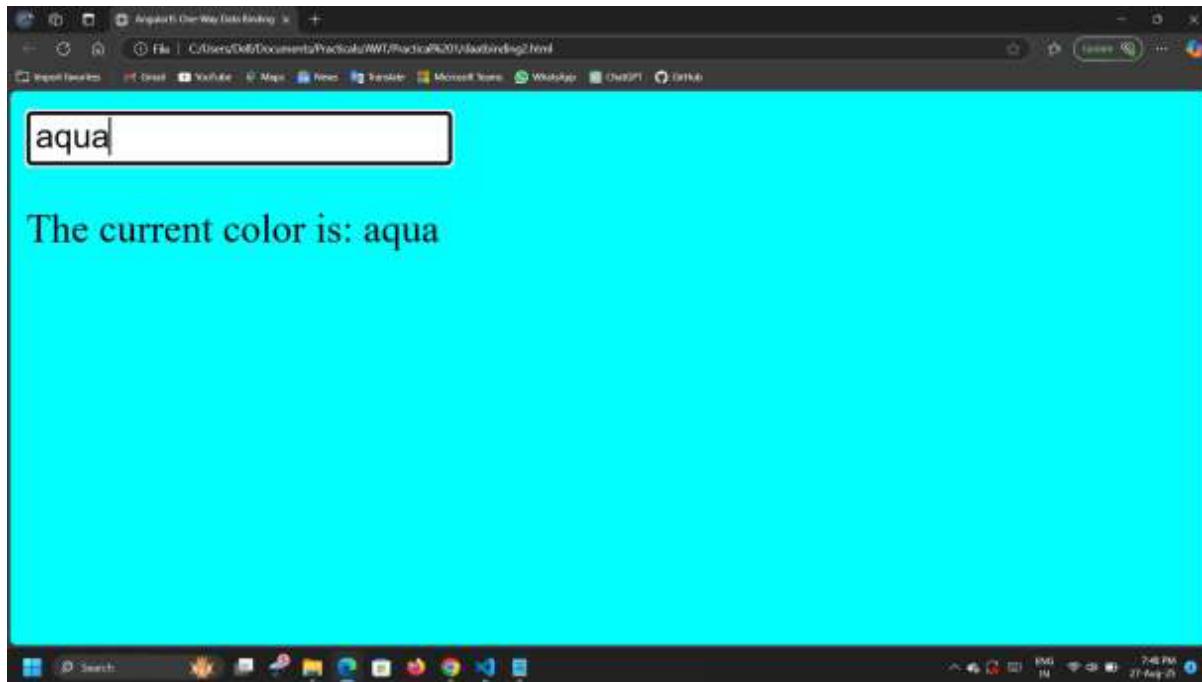
<!DOCTYPE html>
<html ng-app="">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>AngularJS One-Way Data Binding</title>
    <script
src="https://ajax.googleapis.com/ajax/libs/angularjs/1.6.9/angular.min.js">
    </script>
</head>

<body ng-init="color='red'" ng-style="{ 'background-color': color}"
style="text-align:center; padding:50px;">
    <h1>AngularJS One-Way Data Binding Example</h1>

    <input type="text" ng-model="color" placeholder="Enter a color"><br><br>

```

```
<p>
  The current color is:
  <span ng-bind="color" style="font-weight:bold;"></span>
</p>
</body>
</html>
```



### AngularJS Two-way Data Binding

```
<!DOCTYPE html>
<html ng-app="">
  <head>
    <title>Angular Js-Data binding-Two Way</title>
    <script
      src="https://ajax.googleapis.com/ajax/libs/angularjs/1.6.9/angular.min.js">
    </script>
  </head>
  <body ng-style="{ 'background-color': color }">
    <input type="text" ng-model="color" placeholder="Enter a color (e.g., red, #f0f0f0)">
  </body>
</html>
```



### Contacts List Program

```

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <title>Contacts List</title>

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

    <script type="text/javascript">
        var app = angular.module("myapp", []);

        app.controller("mycontroller", function($scope, $http) {
            $http({
                method: "GET",
                url: "http://localhost/PHPProg_new_1/hhttp/try3.php"
            }).then(
                function(response) {
                    console.log("Data fetched successfully:", response.data);
                    $scope.contacts = response.data;
                },
                function(response) {
                    $scope.contacts = [];
                    console.error("Error fetching data:", response.status,
response.statusText);
                    alert("Failed to load data. Please check the console for more
details.");
                }
            );
        });
    </script>
</head>

<body ng-app="myapp">
    <div ng-controller="mycontroller" style="text-align:center;

```

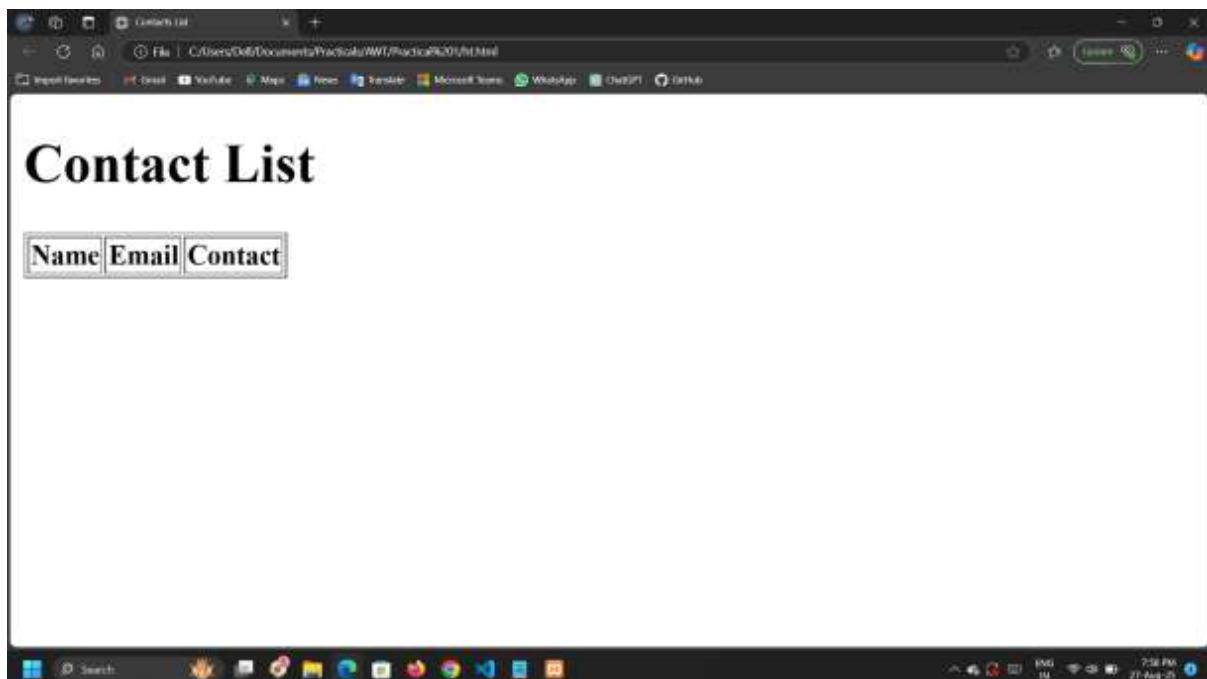
```

margin-top:30px;">
<h1>Contact List</h1>

<table border="1" align="center" cellpadding="8" width="60%">
<tr style="background-color:#f2f2f2;">
<th>Name</th>
<th>Email</th>
<th>Contact</th>
</tr>

<tr ng-repeat="x in contacts">
<td>{{x.name}}</td>
<td>{{x.email}}</td>
<td>{{x.phone}}</td>
</tr>
</table>
</div>
</body>
</html>

```



### Ng-show and ng-hide Directives

```

<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<title>ng-show / ng-hide Directive</title>
<script
src="https://ajax.googleapis.com/ajax/libs/angularjs/1.6.9/angular.min.js">
</script>
</head>

<body ng-app="" style="text-align:center; margin-top:40px;">
<h1>ng-hide / ng-show Demo</h1>

<label>
Show checkbox:

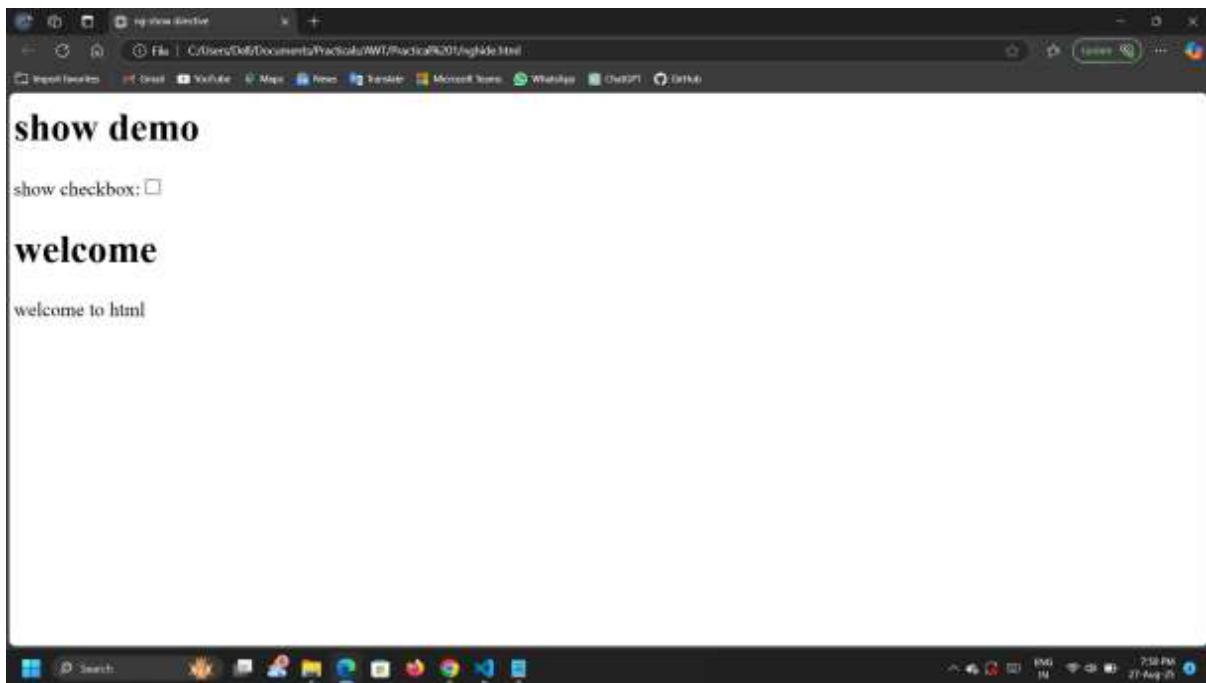
```

```

<input type="checkbox" ng-model="hide">
</label>

<div ng-hide="hide" style="margin-top:20px;">
    <h2>Welcome</h2>
    <p>Welcome to HTML</p>
</div>
</body>
</html>

```



### Ng-init and ng-app directives

```

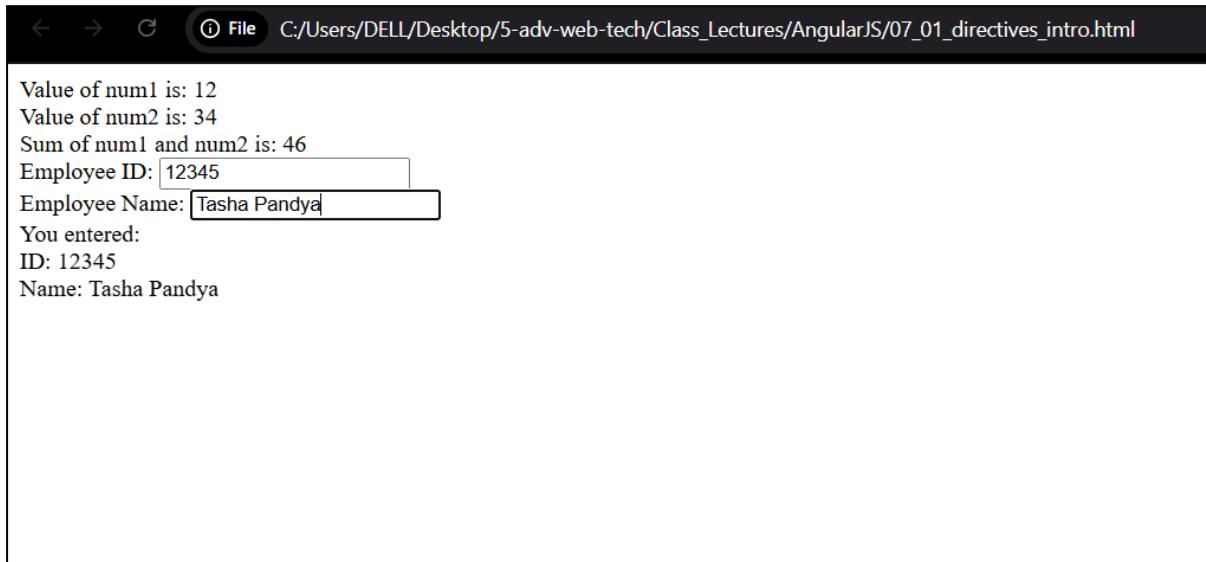
<!DOCTYPE html>
<html>
<head>
    <title>Demo Program for Intro to Directives</title>
    <script
src="https://ajax.googleapis.com/ajax/libs/angularjs/1.5.6/angular.min.js">
</script>
    <script type="text/javascript">
        var app = angular.module("sampleApp", []);
    </script>
</head>
<body ng-app="sampleApp">
    <div ng-init="num1=12; num2=34; emp={empid, empname}">
        <span>
            Value of num1 is: {{num1}}<br>
            Value of num2 is: {{num2}}<br>
        </span>
        <span>
            Sum of num1 and num2 is: {{num1 + num2}}<br>
        </span>
        <span>
            Employee ID: <input type="text" ng-model="emp.empid" /><br>
        </span>
        <span>
            Employee Name: <input type="text" ng-model="emp.empname" /><br>
        </span>
    </div>
</body>

```

```

</span>
<span>
    You entered:<br> ID: {{emp.empid}} <br> Name: {{emp.empname}}
</span>
</div>
</body>
</html>

```



### Ng-click Directive

```

<!DOCTYPE html>
<html>
  <head>
    <title>ng-click Demo</title>
    <script
src="https://ajax.googleapis.com/ajax/libs/angularjs/1.8.2/angular.min.js">
</script>
  </head>
  <body ng-app="clickApp">
    <div ng-controller="ClickController">
      <h2>ng-click Example</h2>
      <p>Button clicked: {{ count }} times</p>
      <button ng-click="increment()">Click Me!</button>
    </div>

    <script>
      var app = angular.module('clickApp', []);
      app.controller('ClickController', function($scope) {
        $scope.count = 0;
        $scope.increment = function() {
          $scope.count++;
        };
      });
    </script>
  </body>
</html>

```

← → ⌂ ⌂ File C:/Users/DELL/Desktop/5-adv-web-tech/Class\_Lectures/AngularJS/07\_04\_directive\_ng-click.html

## ng-click Example

Button clicked: 4 times

### Ng-repeat Directive

```
<!DOCTYPE html>
<html>
<head>
    <title>Demo program for ng-repeat directive</title>
    <script
src="https://ajax.googleapis.com/ajax/libs/angularjs/1.5.6/angular.min.js">
</script>
</head>
<body ng-app="">
    <h2>Inner Circle Members List using ng-repeat</h2>

    <div ng-init="members = ['Rhysand', 'Azriel', 'Cassian', 'Morrigan',
'Amren', 'Feyre', 'Nesta']">
        <ul>
            <li ng-repeat="name in members">
                {{ $index + 1 }}. {{ name }}
            </li>
        </ul>
    </div>
</body>
</html>
```

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## Inner Circle Members List using ng-repeat

- 1. Rhysand
- 2. Azriel
- 3. Cassian
- 4. Morrigan
- 5. Amren
- 6. Feyre
- 7. Nesta

## AngularJS Quantity and Price Calculator

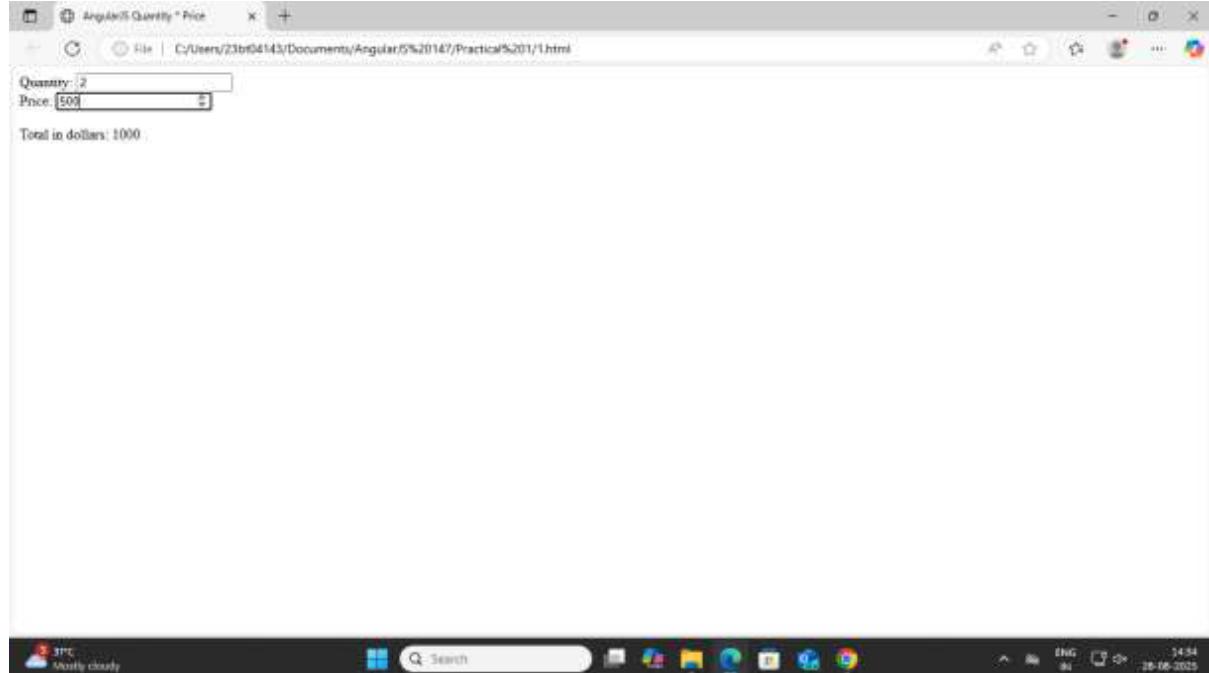
```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <title>AngularJS Quantity and Price Calculator</title>
  <script
  src="https://ajax.googleapis.com/ajax/libs/angularjs/1.8.2/angular.min.js">
</script>
</head>

<body ng-app style="text-align:center; margin-top:50px; font-family:Arial,
sans-serif;">
  <h1>AngularJS Quantity × Price Calculator</h1>

  <label>
    Quantity:
    <input type="number" ng-model="quantity" placeholder="Enter quantity">
  </label>
  <br><br>

  <label>
    Price (in $):
    <input type="number" ng-model="price" placeholder="Enter price">
  </label>
  <br><br>

  <h2>Total in dollars: {{ quantity * price }}</h2>
</body>
</html>
```



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