

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>

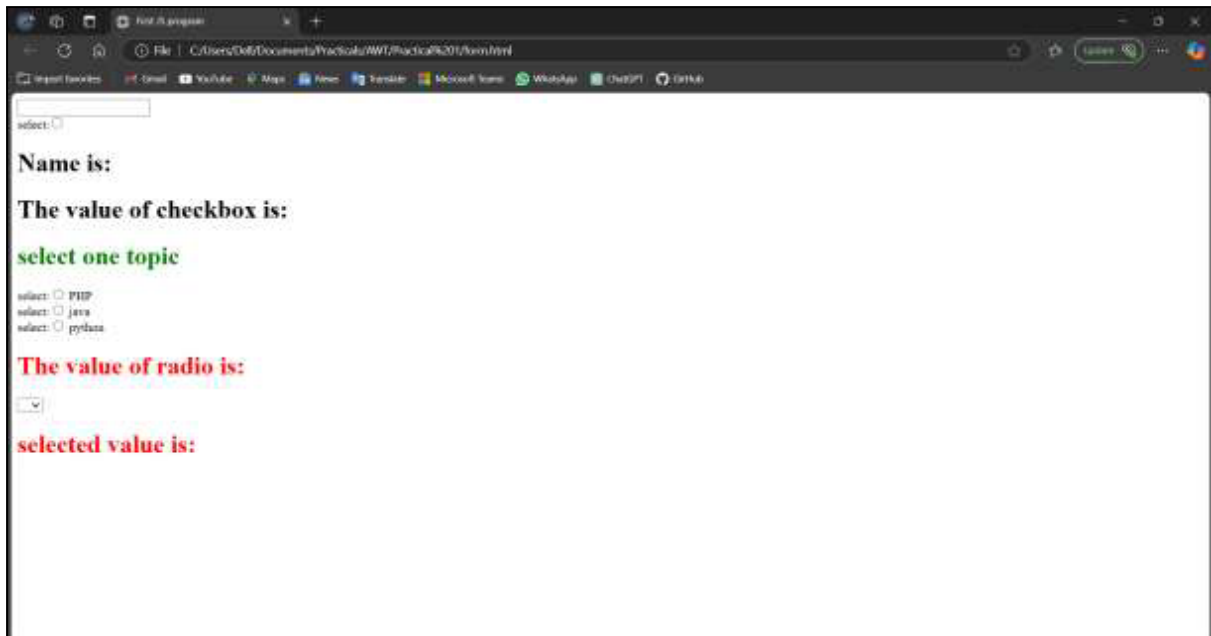
      <h1 style="color: green;">Select one topic</h1>

      <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>
```



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>

```

```

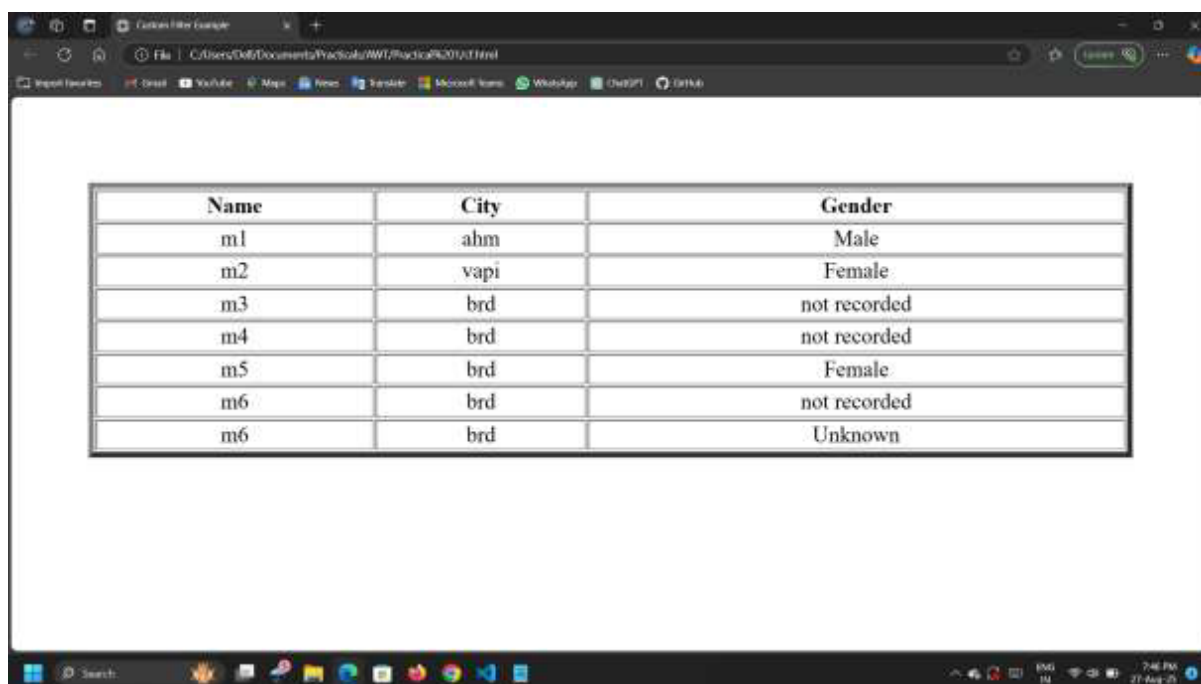
    }
  };
});
</script>
</head>

<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

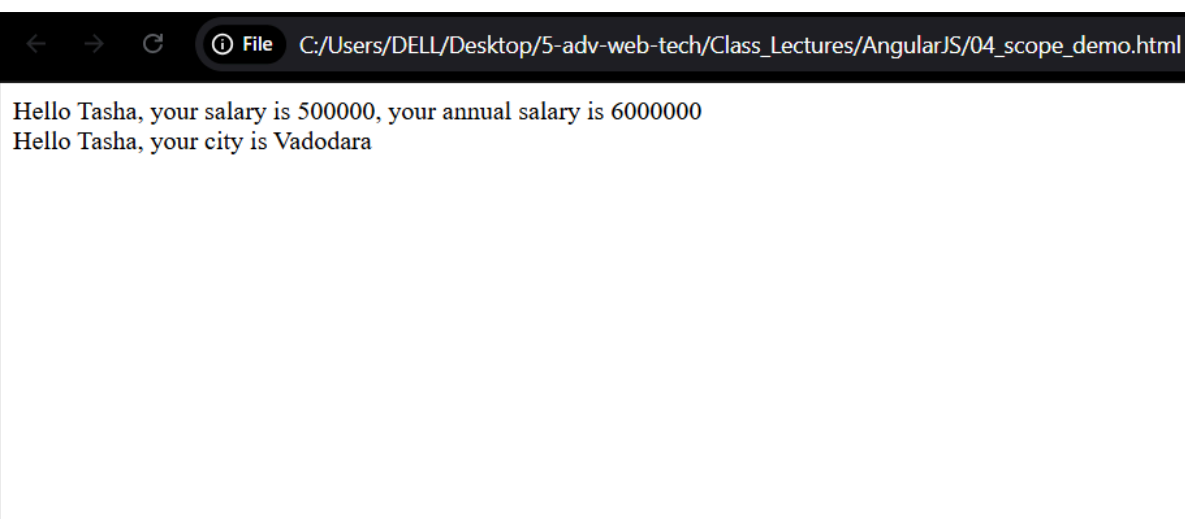
```

<!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", []);

```

```
    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>

```

← → ↻ ⓘ File C:/Users/DELL/Desktop/5-adv-web-tech/Class_Lectures/AngularJS/05_rootScope_demo.html

Feyre Archeron
 Nesta is also known as Lady Death
 Scope Test for Feyre
 Nesta Archeron
 Feyre is the High Lady of Night COurt
 Scope Test for Nesta

AngularJS One-Way Data Binding Example

```

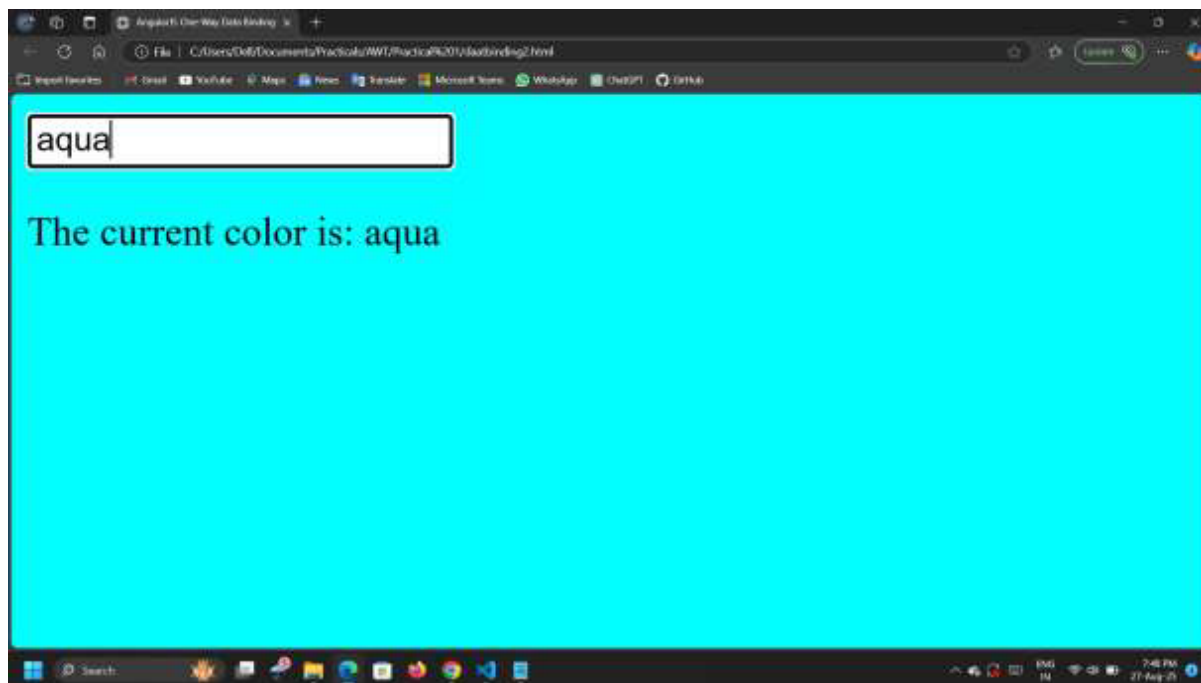
<!DOCTYPE html>
<html ng-app="">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>AngularJS One-Way Data Binding</title>
    <script
src="https://ajax.googleapis.com/ajax/libs/angularjs/1.6.9/angular.min.js">
    </script>
</head>

<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>

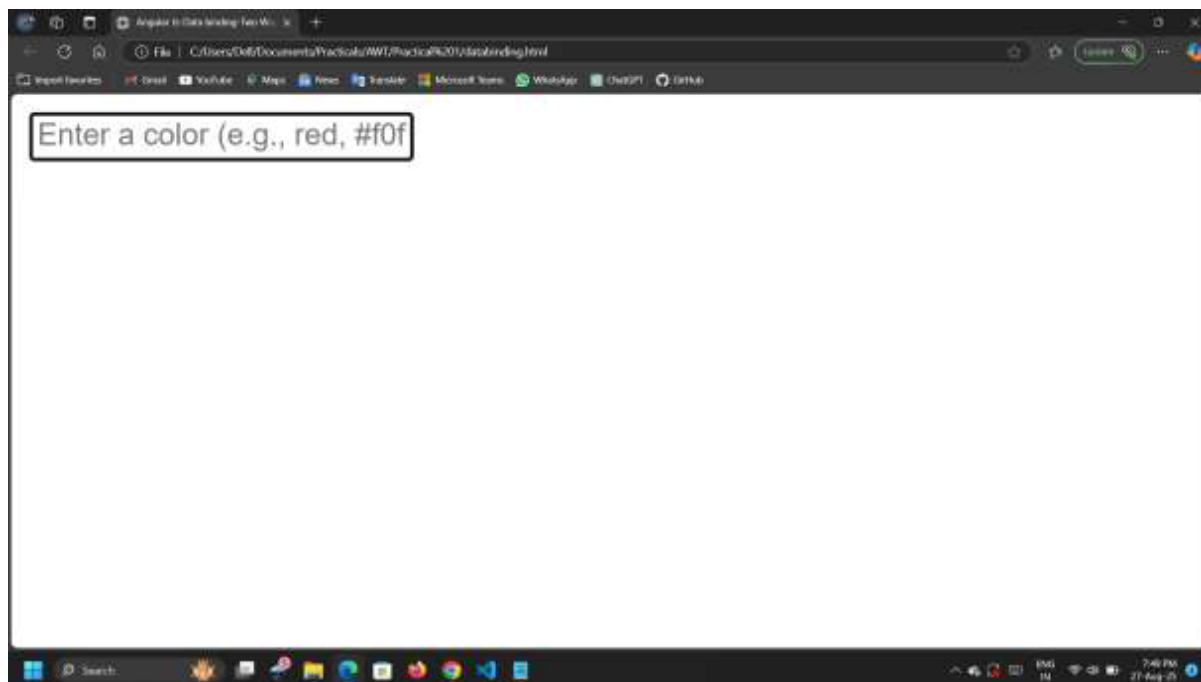
```

```
<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", []);

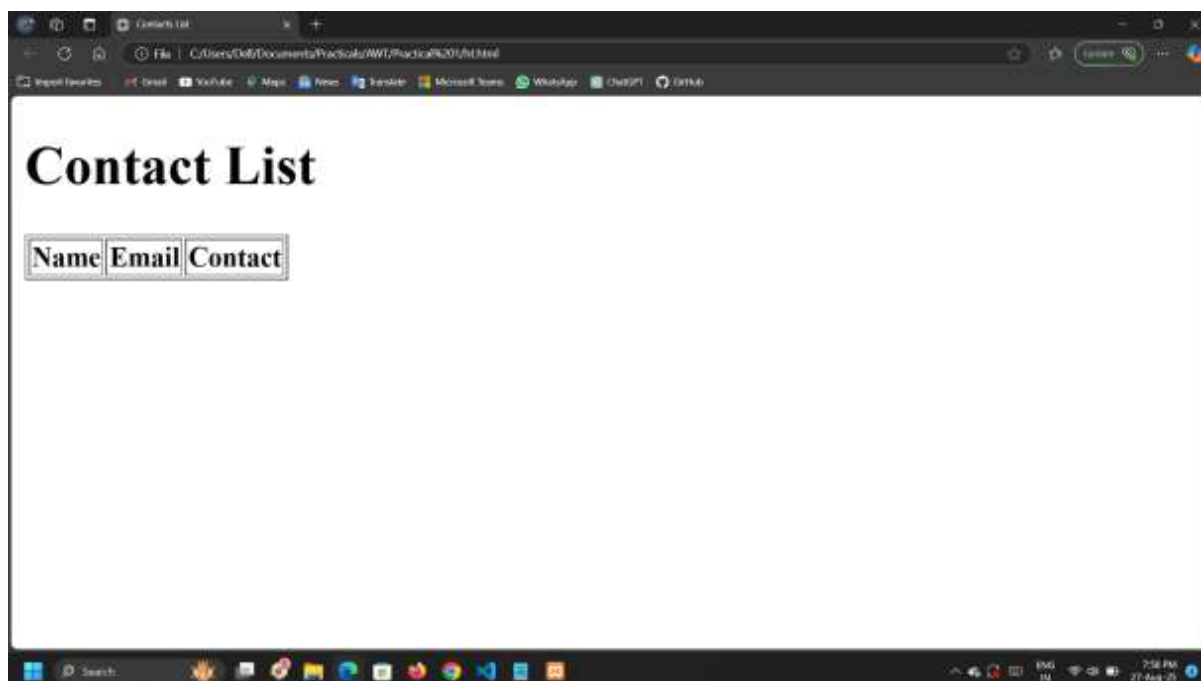
    app.controller("mycontroller", function($scope, $http) {
      $http({
        method: "GET",
        url: "http://localhost/PHPProg_new_1/httptry3.php"
      }).then(
        function(response) {
          console.log("Data fetched successfully:", response.data);
          $scope.contacts = response.data;
        },
        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>

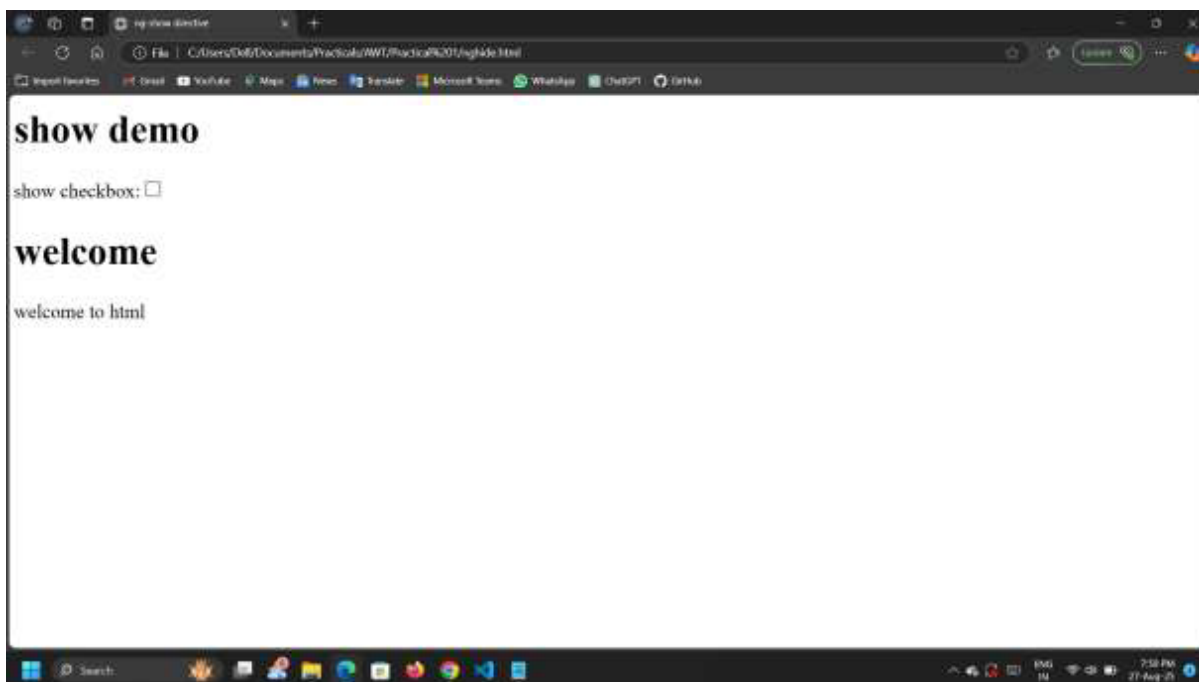
<body ng-app="" style="text-align:center; margin-top:40px;">
  <h1>ng-hide / ng-show Demo</h1>

  <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>
</html>
```

```

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

```

← → ↻ ⓘ File C:/Users/DELL/Desktop/5-adv-web-tech/Class_Lectures/AngularJS/07_01_directives_intro.html

Value of num1 is: 12
 Value of num2 is: 34
 Sum of num1 and num2 is: 46
 Employee ID:
 Employee Name:
 You entered:
 ID: 12345
 Name: Tasha Pandya

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>

```



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>
```



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>
```

