

## Program1

```
<!DOCTYPE html>

<html>

<title>Angular JS Full Name Pgm</title>

<head>

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

  <script>

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

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

      $scope.firstName = "Harish Kumar"; // Added semicolon here

      $scope.lastName = "B T"; // Added semicolon here

    });

  </script>

</head>

<body ng-app="myApp">

  <h2>Angular JS Application to Display Full Name</h2>

  <div ng-controller="myCntrl">

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

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

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

  </div>

</body>

</html>
```

## Program2

```
<!DOCTYPE html>

<html>

<head>

  <title>Shopping Items Application</title>
```

```
<script src="https://ajax.googleapis.com/ajax/libs/angularjs/1.8.2/angular.min.js"></script>
</head>
<body ng-app="myApp" ng-controller="myCtrl">

  <h2>Shopping List</h2>

  <input type="text" ng-model="newItem">
  <button ng-click="addItem()">Add Item</button>

  <ul>
    <li ng-repeat="item in shoppingItems track by $index">
      {{ item }}
      <button ng-click="removeItem($index)">X</button>
    </li>
  </ul>

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

    app.controller("myCtrl", function($scope) {
      $scope.shoppingItems = ['Apple', 'Mango', 'Banana', 'Grapes'];

      $scope.addItem = function() {
        if ($scope.newItem && $scope.shoppingItems.indexOf($scope.newItem) === -1) {
          $scope.shoppingItems.push($scope.newItem);
          $scope.newItem = "";
        } else {
          if (!$scope.newItem) {
            alert("Please enter an item to add.");
          } else {
            alert("This item is already in the shopping list.");
          }
        }
      }
    });
  </script>
</body>
```

```
    }  
  }  
};
```

```
    $scope.removeItem = function(index) {  
        $scope.shoppingItems.splice(index, 1);  
    };  
});  
</script>
```

```
</body>
```

```
</html>
```

Program3

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
  <title>AJS Simple Calculator</title>
```

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

```
  <script>
```

```
    var app = angular.module("calcApp", []);  
    app.controller("calcCntrl", function($scope) {  
        $scope.num1 = 0;  
        $scope.num2 = 0;  
        $scope.result = 0;  
        $scope.operator = "add";  
        $scope.compute = function() {  
            switch ($scope.operator) {  
                case 'add':  
                    $scope.result = $scope.num1 + $scope.num2;  
                    break;
```

```

    case 'sub':
        $scope.result = $scope.num1 - $scope.num2;
        break;
    case 'mul':
        $scope.result = $scope.num1 * $scope.num2;
        break;
    case 'div':
        if ($scope.num2 == 0) {
            alert("Divide by zero error");
        } else {
            $scope.result = $scope.num1 / $scope.num2;
        }
        break;
    }
}
});
</script>
</head>
<body ng-app="calcApp">
    <h1>Angular JS Simple Calculator</h1>
    <div ng-controller="calcCntrl">
        Enter First Number: <input type="number" ng-model="num1"> Select Operator:
        <select ng-model="operator">
            <option value="add">+</option>
            <option value="sub">-</option>
            <option value="mul">*</option>
            <option value="div">/</option>
        </select> Enter Second Number:<input type="number" ng-model="num2">
        <button ng-click="compute()">Compute</button>
        <br/>
        <b>{{num1}} {{operator}} {{num2}} = {{result}}</b>
    </div>
</body>
</html>

```

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

#### Program4

```
<!DOCTYPE html>
<html>
<head>
  <title>AJS Square and Factorial Application</title>
  <script src="https://ajax.googleapis.com/ajax/libs/angularjs/1.8.2/angular.min.js"></script>
  <script>
    var app = angular.module("mySqFct", []);
    app.controller("mySqFctCntrl", function($scope) {
      $scope.num = 0;
      $scope.result = null; // Initialized result to null
      $scope.factorial = function() {
        if ($scope.num === 0) {
          $scope.result = 1;
        } else {
          $scope.fact = 1;
          for (var i = $scope.num; i >= 1; i--) {
            $scope.fact *= i; // Fixed the factorial calculation
          }
          $scope.result = $scope.fact;
        }
      };
      $scope.square = function() {
        $scope.result = $scope.num * $scope.num;
      };
    });
  </script>
```

```

</head>
<body ng-app="mySqFct">
  <h1>Angular JS Factorial and Square Application</h1>
  <div ng-controller="mySqFctCntrl">
    Enter the Number:
    <input type="number" ng-model="num">
    <button ng-click="factorial()">Compute Factorial</button>
    <button ng-click="square()">Compute Square</button>
    <br/> {{result}}
  </div>
</body>
</html>

```

#### Program5

```

<!DOCTYPE html>
<html>
<head>
  <title>Student Details Application</title>
  <script src="https://ajax.googleapis.com/ajax/libs/angularjs/1.8.2/angular.min.js"></script>
</head>
<body ng-app="studDetailsApp">

  <h1>Student Details Application</h1>

  <div ng-controller="studDetailsAppCntrl">
    Enter the Number of Students to Generate the data:
    <input type="number" ng-model="num">
    <button ng-click="generateData()">Generate</button>
    <br/>

    <table border="1" ng-show="studData.length > 0">

```

```
<tr>
  <th>SL NO</th>
  <th>NAME</th>
  <th>CGPA</th>
</tr>
<tr ng-repeat="student in studData">
  <td>{{student.SLNO}}</td>
  <td>{{student.NAME}}</td>
  <td>{{student.CGPA}}</td>
</tr>
</table>
<br/>
```

Number of Students = {{studData.length}}

```
</div>
```

```
<script>
```

```
var app = angular.module("studDetailsApp", []);
app.controller("studDetailsAppCntrl", function($scope) {
  $scope.studData = [];
```

```
  $scope.generateData = function() {
    $scope.studData = [];
    for (var i = 1; i <= $scope.num; i++) {
      var stud = {
        "SLNO": i,
        "NAME": 'student-' + i,
        "CGPA": (Math.random() * 10 + 1).toFixed(2)
      };
      $scope.studData.push(stud);
    }
  }
}
```

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

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

#### Program6

```
<!DOCTYPE html>  
<html>  
<head>  
  <title>TO DO Application</title>  
  <script src="https://ajax.googleapis.com/ajax/libs/angularjs/1.8.2/angular.min.js"></script>  
  <script>  
    var app = angular.module("ToDoApp", []);  
    app.controller("ToDoAppCntrl", function ($scope) {  
      $scope.tasks = [  
        {'TITLE': 'Task-1', 'COMPLETED': true, 'EDITING': false},  
        {'TITLE': 'Task-2', 'COMPLETED': false, 'EDITING': false},  
        {'TITLE': 'Task-3', 'COMPLETED': false, 'EDITING': false}  
      ];  
      $scope.addTask = function () {  
        if ($scope.newTask) {  
          var t = {  
            'TITLE': $scope.newTask,  
            'COMPLETED': false,  
            'EDITING': false  
          };  
          $scope.tasks.push(t);  
        } else {  
          alert("Please enter the task to add");  
        }  
      }  
    });  
  </script>  
</head>  
<body>  
  <div>  
    <input type="text" value="" />  
    <input type="button" value="Add" />  
  </div>  
</body>  
</html>
```



```

    }
};

$scope.editTask = function (task) {
    task.EDITING = true;
};

$scope.turnOffEditing = function (task) {
    task.EDITING = false;
};

$scope.deleteTask = function (task) {
    var index = $scope.tasks.indexOf(task);
    $scope.tasks.splice(index, 1);
};
});
</script>
</head>
<body ng-app="toDoApp">
    <h1>TO DO APPLICATION</h1>
    <div ng-controller="toDoAppCntrl">
        Enter the name of the Task:
        <input type="text" ng-model="newTask">
        <button ng-click="addTask()">Add Task</button><br/><br/>
        <table border="1">
            <tr>
                <th>SLNO</th>
                <th>Status</th>
                <th>Task</th>
                <th>Edit</th>
                <th>Delete</th>
            </tr>
            <tr ng-repeat="task in tasks">
                <td>{{$index + 1}}</td>

```

```
<td>
    <input type="checkbox" ng-model="task.COMPLETED">
</td>
<td>
    <span ng-show="!task.EDITING">{{task.TITLE}}</span>
    <input type="text" ng-show="task.EDITING" ng-model="task.TITLE" ng-
blur="turnOffEditing(task)">
</td>
<td>
    <button ng-click="editTask(task)">Edit</button>
</td>
<td>
    <button ng-click="deleteTask(task)">Delete</button>
</td>
</tr>
</table>
</div>
</body>
</html>
```