**4. Develop a simple Angular JS calculator application that can perform basic mathematical operations (addition, subtraction, multiplication, division) based on user input.**

<!DOCTYPE html>

<html ng-app="calculatorApp">

<head>

<title>Calculator</title>

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

</head>

<body ng-controller="calculatorCtrl">

<div class="calculator">

<h2>Calculator</h2>

<label for="num1">Number 1:</label>

<input type="number" id="num1" ng-model="num1" required>

<label for="num2">Number 2:</label>

<input type="number" id="num2" ng-model="num2" required>

<label for="operation">Operation:</label>

<select id="operation" ng-model="operation" required>

<option value= "add">Addition</option>

<option value="subtract">Subtraction</option>

<option value="multiply">Multiplication</option>

<option value="divide">Division</option>

</select>

<button ng-click="calculate()">Calculate</button>

<p ng-show="result !== undefined">Result: {{result}}</p>

</div>

<script>

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

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

$scope.num1 = 0;

$scope.num2 = 0;

$scope.operation = 'subtract';

$scope.result = undefined;

$scope.calculate = function () {

switch ($scope.operation) {

case 'add':

$scope.result = $scope.num1 + $scope.num2;

break;

case 'subtract':

$scope.result = $scope.num1 - $scope.num2;

break;

case 'multiply':

$scope.result = $scope.num1 \* $scope.num2;

break;

case 'divide':

if ($scope.num2 !== 0) {

$scope.result = $scope.num1 / $scope.num2;

} else {

alert('Cannot divide by zero!');

}

break;

default:

$scope.result = undefined;

}

};

});

</script>

</body>

</html>