**3. Write an Angular JS application that can calculate factorial and compute square based on given user input.**

<!DOCTYPE html>

<html ng-app="FactorialSquare">

<head>

<title>Compute Factorial and Square</title>

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

</head>

<body ng-controller="factsquareController">

<h2>Factorial and Square</h2>

<label for="numberInput">Enter a number:</label>

<input type="number" ng-model="numberInput" id="numberInput" />

<div class="result">

<p>Factorial: {{ calculateFactorial() }}</p>

<p>Square: {{ calculateSquare() }}</p>

</div>

<script>

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

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

$scope.numberInput = 0;

$scope.calculateFactorial = function () {

var result = 1;

for (var i = 2; i <= $scope.numberInput; i++) {

result \*= i;

}

return result;

};

$scope.calculateSquare = function () {

return $scope.numberInput \* $scope.numberInput;

};

});

</script>

</body>

</html>