1. Write a simple program that displays Hello with some text using AngularJS.

```html
<html>

<head>

<title>AngularJS Tutorial and Hello World Example</title>

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

</head>

<body>

<div ng-app="" >

<label>Name:</label>

<input type="text" ng-model="txtname" placeholder="Please enter name">

<hr>

<h1>Hello {{txtname}}!</h1>

</div>

</body>

</html>
```

Result

Name: [Please enter name]

Hello !

Result

Name: [Shreeya]

Hello Shreeya!

2. Write a simple program for any number expressions using AngularJS.

```html
<html>
```

```html
<head>

<title>Number Expression of AngularJs</title>

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

<script type="text/javascript">

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

app.controller("expressionController", function ($scope) {

$scope.expression1 = 10;

$scope.expression2 = 20

});

</script>

</head>

<body ng-app="expressionApp">

<form id="form1">

<div ng-controller="expressionController">

<div>Number Expression</div>

<p>The Result is : {{expression1 + expression2}}</p>

</div>

</form>

</body>

</html>
```
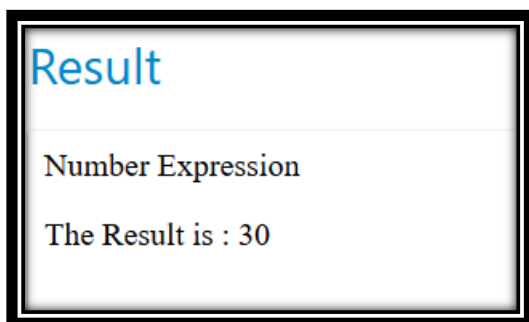

3. Write a simple program for any string expressions that concatenate string using AngularJS.

```html
<html>

<head>

<title>AngularJs String Expressions Example</title>

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

```
<script type="text/javascript">

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

app.controller("expressionController", function ($scope) {

$scope.expression1 = "Welcome to ";

$scope.expression2 = "SAC"

});

</script>

</head>

<body ng-app="expressionApp">

<form id="form1">

<div ng-controller="expressionController">

<div>AngularJS String  Expression Example</div>

<p>Hello: {{expression1+" "+expression2}}</p>

</div>

</form>

</body>

</html>
```

Result

AngularJS String Expression Example

Hello: Welcome to Tutlane.com

4. Write a simple program for AngularJS directives.

```
<html>

<head>

<title>

AngularJs Directives Example

</title>

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

```
</head>

<body ng-app="">

<div>

<input type="text" id="txtname" ng-model="name" />

<p>Your Name: {{name}}</p>

</div>

<div ng-init="employees=['Suresh','Rohini','Saineshwar']">

<p>Employee Details:</p>

<ul>

<li ng-repeat="name in employees">

{{ name }}

</li>

</ul>

</div>

</body>

</html>
```
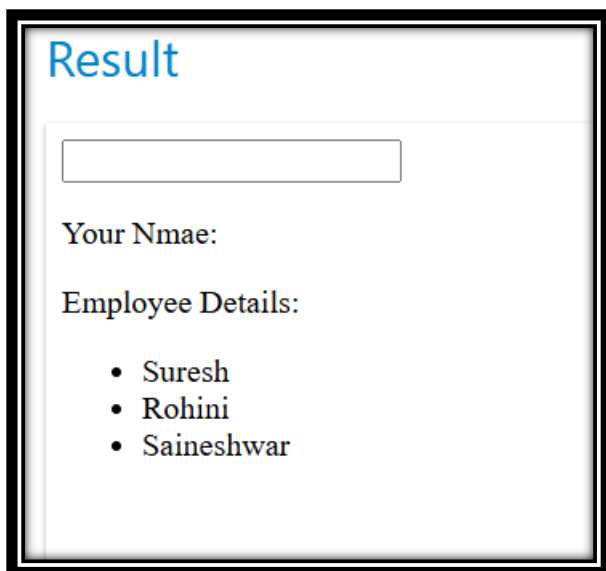

5. Write a simple program that demonstrates how to create an AngularJS application that displays a list of items.

```
<!DOCTYPE html>

<html>

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

<body>
```

```html
<script>
var app = angular.module("myShoppingList", []);
app.controller("myCtrl", function($scope) {
    $scope.products = ["Milk", "Bread", "Cheese"];
    $scope.addItem = function () {
        $scope.products.push($scope.addMe);
    }
});
</script>


<div ng-app="myShoppingList" ng-controller="myCtrl">
 <ul>
   <li ng-repeat="x in products">{{x}}</li>
 </ul>
 <input ng-model="addMe">
 <button ng-click="addItem()">Add</button>
</div>


<p>Write in the input field to add items.</p>


</body>
</html>
```
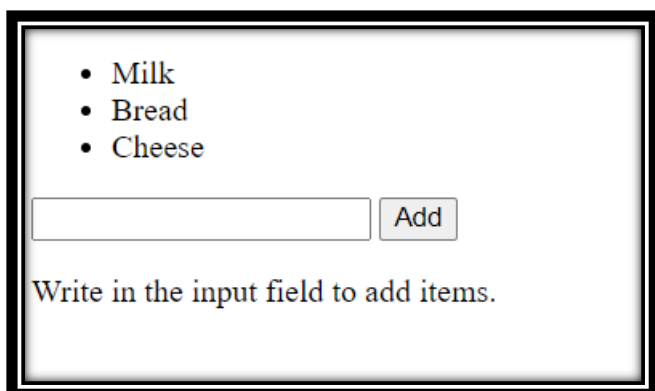
- Milk
- Bread
- Cheese

[   ] Add

Write in the input field to add items.

6. Create a simple example program in AngularJS that demonstrates data binding.

```
<!DOCTYPE html>

<html>

<head>

<title>

AngularJs Data Binding to Input Controls Example

</title>

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

<script type="text/javascript">

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

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

$scope.fname = "Welcome to ";

$scope.lname = "SAC";

});

</script>

</head>

<body>

<h2>AngularJS Data Binding Example</h2>

<div ng-app="formApp" ng-controller="formCtrl">

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

Last Name:<input type="text" ng-model="lname" />

<p>Full Name: {{fname +" "+ lname}}</p>

</div>
```

```
</body>

</html>
```


7. Write a program that uses AngularJS to create a simple to-do list.

```
<!DOCTYPE html>
<html>
<script src= "angular.min.js"></script>
<body>

<script>
var app = angular.module("myShoppingList", []);
app.controller("myCtrl", function($scope) {
    $scope.products = ["Milk", "Bread", "Cheese"];
});
</script>

<div ng-app="myShoppingList" ng-controller="myCtrl">
 <ul>
   <li ng-repeat="x in products">{{x}}</li>
 </ul>
</div>

</body>
</html>
```
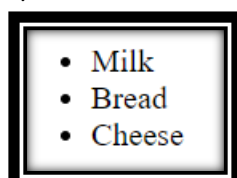

8. Create a form with input field and apply validation rules such as min/max length using AngularJS

```
<html>

<head>

<title>

AngularJs Example to Use Both ng-minlength, ng-maxlength for Form Validation
```

```html
</title>

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

<script type="text/javascript">

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

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

$scope.sendForm = function () {

$scope.msg = "Form Validated";

};

});

</script>

</head>

<body>

<div ng-app="ngminmaxlengthApp" ng-controller="ngminmaxlengthCtrl">

<h3>AngularJs Example to Use Both ng-minlength, ng-maxlength</h3>

<form name="personForm" novalidate ng-submit="personForm.$valid &&sendForm()">

Pin Code: <input type="text" name="pincode" ng-model="txtpin" ng-minlength="3" ng-maxlength="5" required
/>

<span style="color:Red" ng-show="personForm.pincode.$error.required"> Required! </span>

<span style="color:Red" ng-show="personForm.pincode.$dirty&&personForm.pincode.$error.minlength">
Minimum 3 Characters Required </span>

<span style="color:Red" ng-show="personForm.pincode.$dirty&&personForm.pincode.$error.maxlength">
Maximum 5 Characters Allowed </span>

<br /><br />

<button type="submit">Submit Form</button><br /><br />

<span>{{msg}}</span>

</form>

</div>

</body>

</html>
```

Result

AngularJs Example to Use Both ng-minlength, ng-maxlength

Pin Code: [   ] Required!

[Submit Form]

Result

AngularJs Example to Use Both ng-minlength, ng-maxlength

Pin Code: [482001   ] Maximum 5 Characters Allowed

[Submit Form]

---

9. Creating a simple calculator using AngularJS.

```
<html>

<head>

<title> AngularJs Calculator </title>

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

<script>

angular.module('CalculatorApp', [])

   .controller('CalculatorController', function($scope) {

     $scope.result = function() {

       if ($scope.operator == '+') {

         return $scope.a + $scope.b;

       }
```

```
            if ($scope.operator == '-') {

                return $scope.a - $scope.b;

            }

            if ($scope.operator == '*') {

                return $scope.a * $scope.b;

            }

            if ($scope.operator == '/') {

                return $scope.a / $scope.b;

            }

        };

    });

</script>

</head>

<body>

<div ng-app="CalculatorApp" ng-controller="CalculatorController">

  <p><input type="number" ng-model="a">Enter First No.</p>

  <p><input type="number" ng-model="b">Enter Second No.</p>

  <p><select ng-model="operator">

      <option>+</option>

      <option>*</option>

      <option>-</option>

      <option>/</option>

    </select></p>

  <p>Result is::{{ result() }}</p>

 </div>

</body>

</html>
```

10. Write a program for AngularJS Filters(lowercase,Uppercase,Number,Date,Orderby)

```
<html>

<head>

<title>

AngularJs lowercase filter Example

</title>

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

<script>

var app = angular.module("AngularlowercaseApp", []);

app.controller("lowercasectrl", function ($scope) {

$scope.users = [{

name: "Anil Singh",

age: 30

}, {

name: "SURESH DASARI",

age: 29

}, {

name: "ROHINI Alavala",

age: 29

}, {

name: "Praveen Kumar",
```

```
        age: 24

    }];

});

</script>

</head>

<body ng-app="AngularlowercaseApp">

<h2>AngularJS LowerCase Filter Example</h2>

<div ng-controller="lowercasectrl">

<ul ng-repeat="user in users  ">

<li>{{user.name | lowercase }}</li>

<li>{{user.name | uppercase }}</li>

</ul>

</div>

</body>
```