1. **LAB PROGRAM 10**

Create AngularJS application that allows users to maintain a collection of items. The application should display the current total number of items, and this count should automatically update as items are added or removed. Users should be able to add items to the collection and remove them as needed. **Note:** The default values for items may be included in the program.

<!DOCTYPE html>

<html>

    <head>

        <title>LAB10 PROGRAM</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("myApp",[]);

        app.controller("myCntrl",function($scope)

        {

            $scope.itemlist=['Pen','Pencil','Book','Eraser']

            $scope.add=function()

            {

                if($scope.additem)

                {

                    if($scope.itemlist.indexOf($scope.additem)==-1)

                    {

                        $scope.itemlist.push($scope.additem)

                    }

                    else

                        alert("This item is already exists in the collection")

                }

                else

                    alert("Please enter an item to add")

            }

            $scope.remove=function(item)

            {

                confirm=prompt("Are you sure you want to delete "+item)

                if(confirm=='Yes')

                {

                    var index=$scope.itemlist.indexOf(item)

                    $scope.itemlist.splice(index,1)

                }

            }

            });

        </script>

    </head>

    <body ng-app="myApp">

        <h1>ITEM MANAGEMENT APPLICATION</h1>

        <div ng-controller="myCntrl">

            Enter an Item to add:<input type="text" ng-model="additem" />

            <button ng-click="add()">ADD</button>

            <h3>List of Items</h3>

            <table border="1">

                <tr>

                    <th>SL.NO.</th>

                    <th>ITEM</th>

                    <th>Remove</th>

                </tr>

                <tr ng-repeat="item in itemlist">

                    <td>{{$index+1}}</td>

                    <td>{{item}}</td>

                    <td><button ng-click="remove(item)">REMOVE</button></td>

                </tr>

            </table>

               <br/><br/>

            Total Number of Items=<b>{{itemlist.length}}</b>

        </div>

    </body>

</html>