

## Practical No. 9

**Exercise - Create an application to demonstrate controllers (name and city example)**

**Implementation:**

**Program:**

```
<!DOCTYPE html>
<html lang="en">

<head>
  <!-- Define the character set and viewport settings for the document -->
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">

  <!-- Include the AngularJS library -->
  <script
src="https://ajax.googleapis.com/ajax/libs/angularjs/1.6.9/angular.min.js"></script>

  <!-- Set the title of the document -->
  <title>AngularJS Controllers Example</title>
</head>

<body>
  <!-- AngularJS application initialization with ng-app and ng-controller -->
  <div ng-app="peopleApp" ng-controller="peopleController">

    <!-- Input fields for adding a new person -->
    <label for="newName">Name:</label>
    <input type="text" ng-model="newName">

    <label for="newCity">City:</label>
    <input type="text" ng-model="newCity">

    <!-- Button to add a new person to the list -->
    <button ng-click="addPerson()">Add Person</button>

    <!-- Display the list of people using ng-repeat -->
    <ul>
      <li ng-repeat="person in people">{{ person.name }} - {{ person.city }}</li>
    </ul>
  </div>

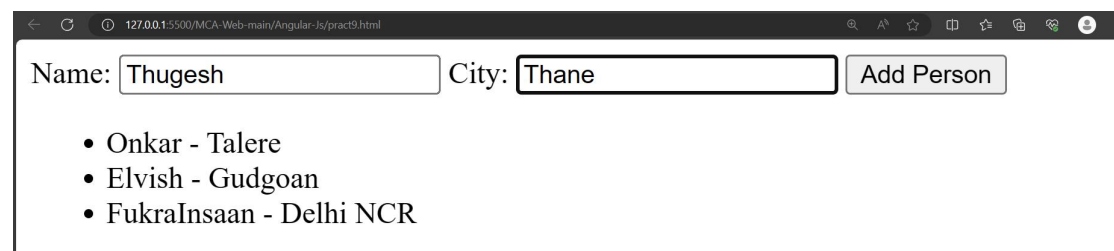
  <!-- AngularJS script to define the module and controller -->
  <script>
    angular.module('peopleApp', [])
      .controller('peopleController', function ($scope) {
        // Initial list of people
        $scope.people = [];

        // Function to add a new person to the list
        $scope.addPerson = function () {
          // Check if both name and city are provided
          if ($scope.newName && $scope.newCity) {
```

```
        // Add the new person to the list
        $scope.people.push({ name: $scope.newName, city:
$scope.newCity });

        // Clear the input fields after adding a person
        $scope.newName = "";
        $scope.newCity = "";
    } else {
        // Display an alert if either name or city is missing
        alert('Please enter both Name and City.');
```

### Output:



The screenshot shows a web browser window with the address bar displaying "127.0.0.1:5500/MCA-Web-main/Angular-Js/pract9.html". The page contains a form with two input fields: "Name:" followed by a text box containing "Thugesh", and "City:" followed by a text box containing "Thane". To the right of these fields is a button labeled "Add Person". Below the form, there is a bulleted list of names: "Onkar - Talere", "Elvish - Gudgoan", and "FukraInsaan - Delhi NCR".