

# ANJS - Manoelo

## 1. First and Last Name

```
<html ng-app="nameApp">
<head>
  <title>AngularJS Full Name Example</title>
  <script src="https://ajax.googleapis.com/ajax/libs/angularjs/1.8.0/angular.min.js"></script>
</head>

<body>
  <div ng-controller="nameCtrl">
    <!-- Input fields for first name and last name -->
    First Name:
    <input type="text" ng-model="firstName" placeholder="Enter your first name" />
    <br />
    <br />
    Last Name:
    <input type="text" ng-model="lastName" placeholder="Enter your last name" />
    <br />
    <br />
    <!-- Button to display the full name -->
    <button ng-click="displayFullName()">Display Full Name</button>
    <!-- Display the full name -->
    <h1>Full Name is: {{ fullName }}</h1>
  </div>
  <script>
    angular.module("nameApp", []).controller("nameCtrl", function ($scope) {
      // Default values for first name and last name
      $scope.firstName = "Hello";
      $scope.lastName = "world";
      // Function to display the full name
      $scope.displayFullName = function () {
        $scope.fullName = $scope.firstName + " " + $scope.lastName;
      };
    });
  </script>
</body>
</html>
```

Output:

First Name:

Last Name:

**Full Name is: King Luffy**

## 2. Shopping App

```
<html ng-app="shoppingApp">

<head>
  <title>AngularJS Shopping List</title>
  <script src="https://ajax.googleapis.com/ajax/libs/angularjs/1.8.0/angular.min.js"></script>
</head>

<body ng-controller="shoppingCtrl">
  <h2>Shopping List</h2>
  <table>
    <tr ng-repeat="item in shoppingItems">
      <td>{{ item }}</td>
      <td><button ng-click="removeItem($index)">Remove</button></td>
    </tr>
  </table>
  <!-- Input field and button to add a new item -->
  <input type="text" ng-model="newItem" placeholder="Add a new item" />
  <button ng-click="addItem()">Add Item</button>
  <script>
    angular
      .module("shoppingApp", [])
      .controller("shoppingCtrl", function ($scope) {
        // Default values for shopping items
        $scope.shoppingItems = ["Apples", "Bananas", "Bread", "Milk"];
        // Function to add a new item
        $scope.addItem = function () {
          if ($scope.newItem) {
            $scope.shoppingItems.push($scope.newItem);
            $scope.newItem = ""; // Clear the input field after adding
          }
        };
        // Function to remove an item
        $scope.removeItem = function (index) {
          $scope.shoppingItems.splice(index, 1);
        };
      });
  </script>
</body>

</html>
```

Output:

# Shopping List

Apples

Bananas

Bread

Milk

### 3. Calculator App

```
<html ng-app="calculatorApp">
<head>
  <title>AngularJS Calculator</title>
  <script src="https://ajax.googleapis.com/ajax/libs/angularjs/1.8.2/angular.min.js"></script>
</head>
<body ng-controller="calculatorController">
  <h2>Simple Calculator</h2>
  Enter Number 1:
  <input type="number" ng-model="num1" /> &nbsp; Select Operator:
  <select ng-model="operator">
    <option value="+">Add</option>
    <option value="-">Subtract</option>
    <option value="*">Multiply</option>
    <option value="/">Divide</option></select>
  &nbsp; Enter Number 2:
  <input type="number" ng-model="num2" />
  <button ng-click="calculate()">Calculate</button>
  <p ng-show="result !== undefined">Result: {{ result }}</p>
  <script>
    var app = angular.module("calculatorApp", []);
    app.controller("calculatorController", function ($scope) {
      $scope.calculate = function () {
        switch ($scope.operator) {
          case "+":
            $scope.result = $scope.num1 + $scope.num2;
            break;
          case "-":
            $scope.result = $scope.num1 - $scope.num2;
            break;
          case "*":
            $scope.result = $scope.num1 * $scope.num2;
            break;
          case "/":
            if ($scope.num2 !== 0) {
              $scope.result = $scope.num1 / $scope.num2;
            } else {
              $scope.result = "Cannot divide by zero";
            }
            break;
        }
      };
    });
  </script>
```

```
</body>  
</html>
```

Output:

## Simple Calculator

Enter Number 1:  Select Operator:  Enter Number 2:

#### 4. Factorial and Square

```
<html ng-app="Manip">
  <head>
    <title>Factorial and Square</title>
    <script src="Misc/script.js"></script>
  </head>

  <body ng-controller="numCtrl"><center>
    <h2><u>Factorial and Square of a Number</u></h2>
    Enter a number to calculate:
    <input type="number" ng-model="num"/>
    <br><br>Select Operation:
    <select ng-model="op">
      <option value="f">Factorial</option>
      <option value="s">Square</option>
    </select> <br><br>

    <button ng-click="calc()">Calculate</button>
    <p ng-show="res !== undefined">
      Result: {{res}}
    </p>
  </center>
  <script>
    var app = angular.module('Manip', [])
    app.controller('numCtrl', function($scope){
      $scope.calc = function() {
        switch($scope.op){
          case 'f':

            if($scope.num < 0){
              $scope.res = 'Cannot calculate factorial for negatives';
              break;
            } else {
              if($scope.num == 0){
                $scope.res = 1;
              } else {
                let v = $scope.num;
                for(let i=$scope.num - 1;i>=1;i--){
                  v *= i;
                }
                $scope.res = v;
                break;
              }
            }
          }
        }
      }
    })
  </script>
</body>
</html>
```

```
        case 's':  
            $scope.res = $scope.num * $scope.num;  
            break;  
        }  
    }  
    });  
</script>  
</body>  
</html>
```

Output:

## **Factorial and Square of a Number**

Enter a number to calculate:

Select Operation:

Calculate



## 5. Student CGPA

```
<html ng-app="studentApp">
  <head>
    <title>AngularJS Student Details</title>
    <script src="https://ajax.googleapis.com/ajax/libs/angularjs/1.8.2/angular.min.js"></script>
  </head>
  <body ng-controller="studentController">
    <h2>Student Details</h2>
    Student Name:
    <input type="text" ng-model="name" />
    CGPA:
    <input type="number" ng-model="cgpa" ng-min="1" ng-max="10" />
    <button ng-click="addStudent()">Add Student</button>
    <p>Total Students: {{ students.length }}</p>
    <ul>
      <li ng-repeat="student in students">
        {{ student.name }} - CGPA: {{ student.cgpa }}
      </li>
    </ul>
    <script>
      var app = angular.module("studentApp", []);
      app.controller("studentController", function ($scope) {
        $scope.students = [];
        $scope.addStudent = function () {
          if ($scope.name && $scope.cgpa) {
            $scope.students.push({
              name: $scope.name,
              cgpa: $scope.cgpa,
            });
            // Clear the input fields
            $scope.name = "";
            $scope.cgpa = "";
          }
        };
      });
    </script>
  </body>
</html>
```

Output:

---

## Student Details

Student Name:  CGPA:

Total Students: 0

## 6. TODO Application

```
<!DOCTYPE html>
<html ng-app="todoApp">
  <head>
    <title>AngularJS Todo List</title>
    <script src="https://ajax.googleapis.com/ajax/libs/angularjs/1.8.2/angular.min.js"></script>
  </head>
  <body ng-controller="todoController">
    <h1>Todo List</h1>
    <!-- Form for adding a new task -->
    <form ng-submit="addTask()">
      Task:
      <input type="text" ng-model="newTask" required>
      <button type="submit">Add Task</button>
    </form>
    <br>
    <!-- Table to display task information -->
    <table>
      <thead>
        <tr>
          <th>Task</th>
          <th>Action</th>
        </tr>
      </thead>
      <tbody>
        <tr ng-repeat="task in tasks">
          <td>{{ task }}</td>
          <td>
            <button ng-click="editTask($index)">Edit</button>
            <button ng-click="deleteTask($index)">Delete</button>
          </td>
        </tr>
      </tbody>
    </table>
    <!-- Edit Task Modal -->
    <div ng-if="editingTaskIndex !== null">
      <h2>Edit Task</h2>
      Task:
      <input type="text" ng-model="tasks" required>
      <br>
    </div>
    <script>
      var app = angular.module('todoApp', []);
      app.controller('todoController', function($scope) {
```

```

$scope.tasks = [
    'Task 1',
    'Task 2',
    'Task 3'
];
$scope.newTask = '';
$scope.editingTaskIndex = null;
$scope.addTask = function () {
    $scope.tasks.push($scope.newTask);
    $scope.newTask = '';
};
$scope.editTask = function (index) {
    // Prompt for updated task with validation
    var updatedTask = prompt('Enter updated task:');
    // Check if the user pressed cancel
    if (updatedTask !== null) {
        // Update the task
        $scope.tasks.splice(index, 1, updatedTask);
    }
};
$scope.deleteTask = function (index) {
    $scope.tasks.splice(index, 2);
};
});
</script>
</body>
</html>

```

Output:

# 

Task:

Task	Action	
Task 1	<input type="button" value="Edit"/>	<input type="button" value="Delete"/>
Task 2	<input type="button" value="Edit"/>	<input type="button" value="Delete"/>
Task 3	<input type="button" value="Edit"/>	<input type="button" value="Delete"/>

## 7. CRUD Application

```
<!DOCTYPE html>
<html ng-app="crudApp">
  <head>
    <title>AngularJS CRUD Application</title>
    <script src="https://ajax.googleapis.com/ajax/libs/angularjs/1.8.2/angular.min.js"></script>
  </head>
  <body ng-controller="crudController">
    <h1>User Management</h1>
    <!-- Form for adding a new user -->
    <form ng-submit="addUser()">
      Name:
      <input type="text" ng-model="name" required>
      <br>
      Age:
      <input type="number" ng-model="age" required>
      <br>
      <button type="submit">Add User</button>
    </form>
    <br>
    <!-- Table to display user information -->
    <table>
      <thead>
        <tr>
          <th>Name</th>
          <th>Age</th>
          <th>Action</th>
        </tr>
      </thead>
      <tbody>
        <tr ng-repeat="user in users">
          <td>{{ user.name }}</td>
          <td>{{ user.age }}</td>
          <td>
            <button ng-click="editUser(user)">Edit</button>
            <button ng-click="deleteUser(user)">Delete</button>
          </td>
        </tr>
      </tbody>
    </table>
    <script>
      var app = angular.module('crudApp', []);
      app.controller('crudController', function ($scope) {
        $scope.users = [
```

```

        { name: 'Ram', age: 25 },
        { name: 'Sam', age: 30 },
    ];
    $scope.addUser = function () {
    $scope.users.push({ name: $scope.name, age: $scope.age });
    $scope.name = "";
    $scope.age = "";

};
$scope.editUser = function (user) {
    var index = $scope.users.indexOf(user);
    // Prompt for updated values with validation
    var updatedName = prompt('Enter updated name:', user.name);
    var updatedAge = prompt('Enter updated age:', user.age);
    // Check if the user pressed cancel
    if (!(updatedName == null && updatedAge == null) ){
    // Update the user
    var updatedUser = { name: updatedName, age: parseInt(updatedAge) };
    $scope.users.splice(index, 1, updatedUser);
    }
};
$scope.deleteUser = function (user) {
    var index = $scope.users.indexOf(user);
    $scope.users.splice(index, 1);
};
});
</script>
</body>
</html>

```

Output:

# User Management

Name:

Age:

Name	Age	Action
------	-----	--------

Ram	25	<input type="button" value="Edit"/> <input type="button" value="Delete"/>
-----	----	---

Sam	30	<input type="button" value="Edit"/> <input type="button" value="Delete"/>
-----	----	---

## 8. Login Form

```
<html ng-app="loginApp">
<script src="https://ajax.googleapis.com/ajax/libs/angularjs/1.8.2/angular.min.js"></script>

<body ng-controller="loginController">
  <h1>Login Form</h1>
  <!-- Form for login with validation -->
  <form ng-submit="login()">
    Username
    <input type="text" ng-model="username" required>
    <br>
    Password
    <input type="password" ng-model="password" required>
    <br>
    <button type="submit">Login</button>
  </form>
  <script>
    var app = angular.module('loginApp', []);
    app.controller('loginController', function ($scope) {
      $scope.login = function () {
        // Check if username is "ram" and password is "ram"
        if ($scope.username == 'ram' && $scope.password == 'ram') {
          alert('Login successful');
          // Add further logic for successful login
        } else {
          alert('Login failed. Invalid username or password.');
```



Output:

# Login Form

Username

Password

Login

## 9. Employee List

<!--9. Create an AngularJS application that displays a list of employees and their salaries.

Allow users to search for employees by name and salary.

Note: Employee details may be included in the program.

-->

```
<html ng-app="employeeApp">

<head>
  <title>AngularJSEmployeeSearch</title>
  <script src="https://ajax.googleapis.com/ajax/libs/angularjs/1.8.2/angular.min.js"></script>
</head>
<body ng-controller="employeeController">
  <h2>Employee List</h2>
  Search by Name:
  <input type="text" ng-model="searchName" />
  Search by Salary:
  <input type="number" ng-model="searchSalary" />
  <ul>
    <li ng-repeat="employee in employees | filter : {name:searchName, salary: searchSalary}">
      {{employee.name}} - Salary: Rs. {{employee.salary}}
    </li>
  </ul>
  <script>
    var app = angular.module('employeeApp', []);
    app.controller('employeeController', function ($scope) {
      $scope.employees = [
        { name: 'Ram', salary: 50000 },
        { name: 'abi', salary: 60000 },
        { name: 'sam', salary: 75000 },
        { name: 'raj', salary: 55000 }
      ];
      $scope.searchName = "";
      $scope.searchSalary = "";
    });
  </script>
</body>
</html>
```

Output:

## Employee List

Search by Name:  Search by Salary:

- Ram - Salary: Rs. 50000
- abi - Salary: Rs. 60000
- sam - Salary: Rs. 75000
- raj - Salary: Rs. 55000

## 10. Collection of Items ( imp: track by index )

```
<html ng-app="itemApp">
  <script src="https://ajax.googleapis.com/ajax/libs/angularjs/1.8.2/angular.min.js"></script>
  <body ng-controller="itemController">
    <h2>Item Collection</h2>
    Add New Item:
    <input type="text" ng-model="newItem" />
    <button ng-click="addItem()">AddItem</button>
    <ul>

      <li ng-repeat="item in items track by $index">
        {{item}}
        <button ng-click="removeItem($index)">Remove</button>
      </li>
    </ul>
    <p>Total Items:{{ items.length }}</p>
    <script>
      var app = angular.module('itemApp', []);
      app.controller('itemController', function ($scope) {
        $scope.items = ['Item1', 'Item2', 'Item3'];//Defaultitems
        $scope.newItem = "";
        $scope.addItem = function () {
          if ($scope.newItem) {
            $scope.items.push($scope.newItem);
            $scope.newItem = "";//Cleartheinputfield
          }
        };
        $scope.removeItem = function (index) {
          $scope.items.splice(index, 1);
        };
      });
    </script>
  </body>

</html>
```

Output:

---

## Item Collection

Add New Item:

- Item1
- Item2
- Item3

Total Items:3

## 11. Name in UpperCase

```
<!DOCTYPE html>
<html ng-app="studentApp">
<head>
  <title>Student Name Converter</title>
  <script src="https://ajax.googleapis.com/ajax/libs/angularjs/1.8.2/angular.min.js"></script>
</head>
<body ng-controller="studentController">
  <h2>Student Names</h2>

  <!-- Display the original student names -->
  <h3>Original Names:</h3>
  <ul>
    <li ng-repeat="name in names">
      {{ name }}
    </li>
  </ul>

  <!-- Display the student names in uppercase using filters -->
  <h3>Names in Uppercase:</h3>
  <ul>
    <li ng-repeat="name in names">
      {{ name | uppercase }}
    </li>
  </ul>

  <script>
    var app = angular.module('studentApp', []);
    app.controller('studentController', function ($scope) {
      $scope.names = ['Raj', 'Ram', 'Sam'];
    });
  </script>
</body>
</html>
```

Output:

## **Student Names**

### **Original Names:**

- Raj
- Ram
- Sam

### **Names in Uppercase:**

- RAJ
- RAM
- SAM

## 12. Date Formats

```
<!DOCTYPE html>
<html ng-app="dateApp">
<head>
  <title>Date Display Application</title>
  <script src="https://ajax.googleapis.com/ajax/libs/angularjs/1.8.2/angular.min.js"></script>
</head>
<body ng-controller="dateController">
  <h2>Date Display</h2>
  <!-- Display the current date with various filter parameters -->
  <p>Default Format: {{ currentDate | date }}</p>
  <p>Custom Format (yyyy-MM-dd): {{ currentDate | date:'yyyy-MM-dd' }}</p>
  <p>Short Date: {{ currentDate | date:'shortDate' }}</p>
  <p>Full Date: {{ currentDate | date:'fullDate' }}</p>

  <script>
    var app = angular.module('dateApp', []);
    app.controller('dateController', function($scope) {
      $scope.currentDate = new Date();
    });
  </script>
</body>
</html>
```

Output:

### Date Display

Default Format: Mar 26, 2024

Custom Format (yyyy-MM-dd): 2024-03-26

Short Date: 3/26/24

Full Date: Tuesday, March 26, 2024