

1. ng-repeat Directive

The ng-repeat directive is used to repeat a set of HTML elements for each item in an array or collection.

Example 1: Displaying a List of Names

```
<div ng-app="" ng-controller="myCtrl">

  <ul>

    <li ng-repeat="name in names">{{name}}</li>

  </ul>

</div>

<script>

  function myCtrl($scope) {

    $scope.names = ['Aryan', 'Pranjal', 'Ritika', 'Manik'];

  }

</script>
```

Example 2: Displaying a List of Objects with Properties

```
<div ng-app="" ng-controller="myCtrl">

  <ul>

    <li ng-repeat="person in people">{{person.name}} - {{person.age}}</li>

  </ul>

</div>

<script>

  function myCtrl($scope) {

    $scope.people = [

      {name: 'Aryan', age: 22},

      {name: 'Pranjal', age: 21},

      {name: 'Manik', age: 23}

    ];

  }

</script>
```

2. ng-switch Directive

The ng-switch directive is used to conditionally display elements based on the value of an expression. It works in conjunction with ng-switch-when and ng-switch-default.

Example 1: Switching Between Views Based on a Value

```
<div ng-app="" ng-controller="myCtrl">

  <div ng-switch="view">

    <div ng-switch-when="home">Welcome to the Home Page</div>

    <div ng-switch-when="about">This is the About Page</div>

    <div ng-switch-when="contact">Contact Us at xyz@example.com</div>

    <div ng-switch-default>Page Not Found</div>

  </div>

</div>

<script>

function myCtrl($scope) {

  $scope.view = 'home';

}

</script>
```

Example 2: Displaying Status Messages

```
<div ng-app="" ng-controller="myCtrl">

  <div ng-switch="status">

    <p ng-switch-when="success">Operation was successful!</p>

    <p ng-switch-when="error">There was an error processing your request.</p>

    <p ng-switch-default>Loading...</p>

  </div>

</div>

<script>

function myCtrl($scope) {

  $scope.status = 'error'; // Example: 'success', 'error', or undefined

}
```

```
}  
</script>
```

3. ng-if Directive

The ng-if directive is used to conditionally include or exclude an element in the DOM based on an expression.

Example 1: Conditional Display of a Message

```
<div ng-app="" ng-controller="myCtrl">  
  <p ng-if="loggedIn">Welcome back, user!</p>  
</div>  
  
<script>  
  function myCtrl($scope) {  
    $scope.loggedIn = true; // Try changing this to false  
  }  
</script>
```

Example 2: Displaying Content Based on Boolean Value

```
<div ng-app="" ng-controller="myCtrl">  
  <div ng-if="isAdmin">  
    <p>Admin Panel</p>  
  </div>  
  <div ng-if="!isAdmin">  
    <p>Access Denied</p>  
  </div>  
</div>  
  
<script>  
  function myCtrl($scope) {  
    $scope.isAdmin = false; // Try changing this to true
```

```
}  
</script>
```

4. ng-show Directive

The ng-show directive is used to show or hide an element based on the evaluation of an expression. The element is still in the DOM but is hidden using CSS.

Example 1: Showing a Paragraph Conditionally

```
<div ng-app="" ng-controller="myCtrl">  
  <p ng-show="showParagraph">This paragraph is conditionally visible.</p>  
</div>
```

```
<script>  
function myCtrl($scope) {  
  $scope.showParagraph = true; // Try changing this to false  
}  
</script>
```

Example 2: Showing and Hiding a Button

```
<div ng-app="" ng-controller="myCtrl">  
  <button ng-show="loggedIn">Log Out</button>  
  <button ng-show="!loggedIn">Log In</button>  
</div>
```

```
<script>  
function myCtrl($scope) {  
  $scope.loggedIn = false; // Try changing this to true  
}  
</script>
```