

# Angular: Conditionals and Formatting



# Goal

- Add a new column to check if a sales person has met their quota

**Sales Team**

First Name	Last Name	Email	Sales Volume	Met Quota?
Anup	Kumar	anup.kumar@luv2code.com	50000	No
John	Doe	john.doe@luv2code.com	40000	No
Claire	Murphy	claire.murphy@luv2code.com	90000	Yes
Mai	Truong	mai.truong@luv2code.com	60000	Yes

# Conditional: ngIf

- Angular provides a structural directive: `ngIf`
- Show content based on a condition / boolean expression

```
<div *ngIf="some boolean expression">
```

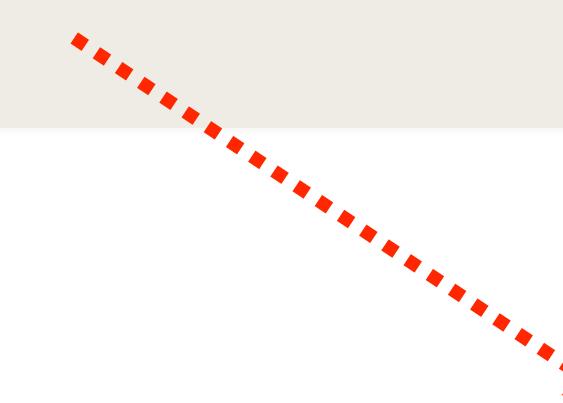
Show this content if the boolean expression is true

```
</div>
```

<https://angular.io/api/common/NgIf>

# Example

- Our example: if salesVolume  $\geq 60000$ , display Yes ... else No



First Name	Last Name	Email	Sales Volume	Met Quota?
Anup	Kumar	anup.kumar@luv2code.com	50000	No
John	Doe	john.doe@luv2code.com	40000	No
Claire	Murphy	claire.murphy@luv2code.com	90000	Yes
Mai	Truong	mai.truong@luv2code.com	60000	Yes

# Conditional with ngIf

```
<table class="table table-hover">
  <thead class="thead-dark">
    <tr>
      ...
      <th>Sales Volume</th>
      <th>Met Quota?</th>
    </tr>
  </thead>

  <tbody>
    <tr *ngFor="let tempSalesPerson of salesPersons">
      ...
      <td>{{ tempSalesPerson.salesVolume }}</td>
      <td>
        <div *ngIf="tempSalesPerson.salesVolume >= 60000; else myElseBlock">Yes</div>
        <ng-template #myElseBlock>No</ng-template>
      </td>
    </tr>
  </tbody>
</table>
```

Sales Team				Met Quota?
First Name	Last Name	Email	Sales Volume	
Anup	Kumar	anup.kumar@luv2code.com	50000	No
John	Doe	john.doe@luv2code.com	40000	No
Claire	Murphy	claire.murphy@luv2code.com	90000	Yes
Mai	Truong	mai.truong@luv2code.com	60000	Yes

Conditional

Case of false

Case of true

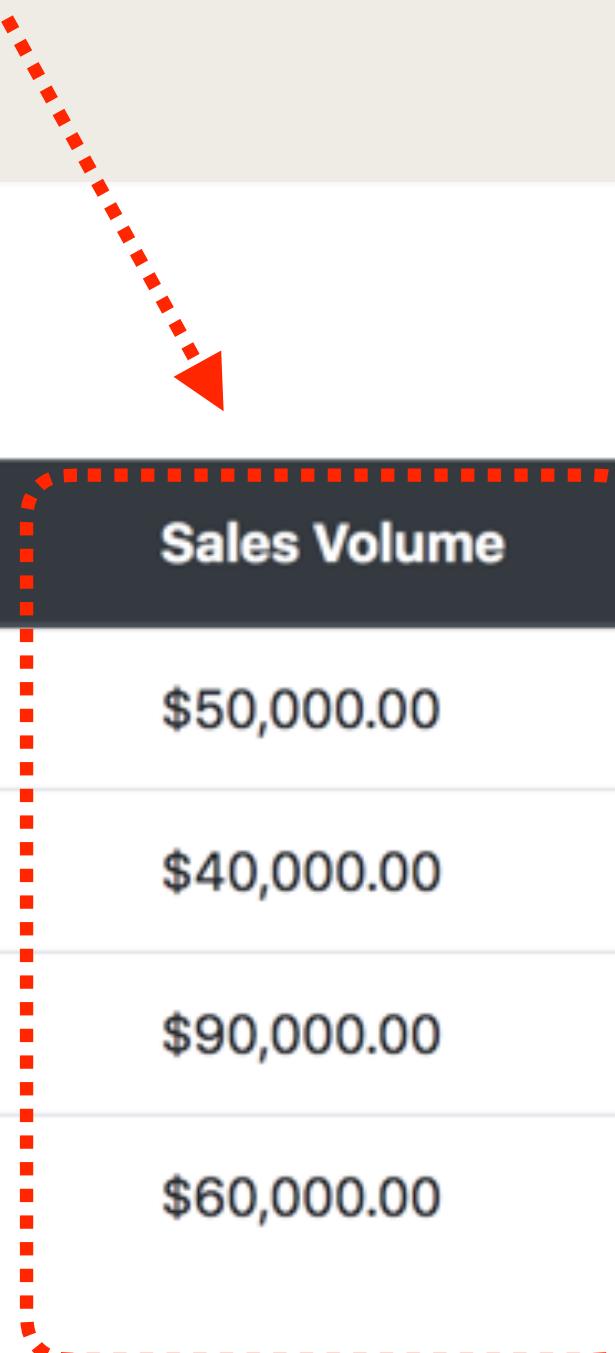
# Angular Structural Directives

- Most commonly used structural directives: `ngFor` and `ngIf`
- Also there other such as `ngSwitch`, `ngStyle` etc ...
- See the documentation for details

<https://angular.io/api/common#directives>

# Goal

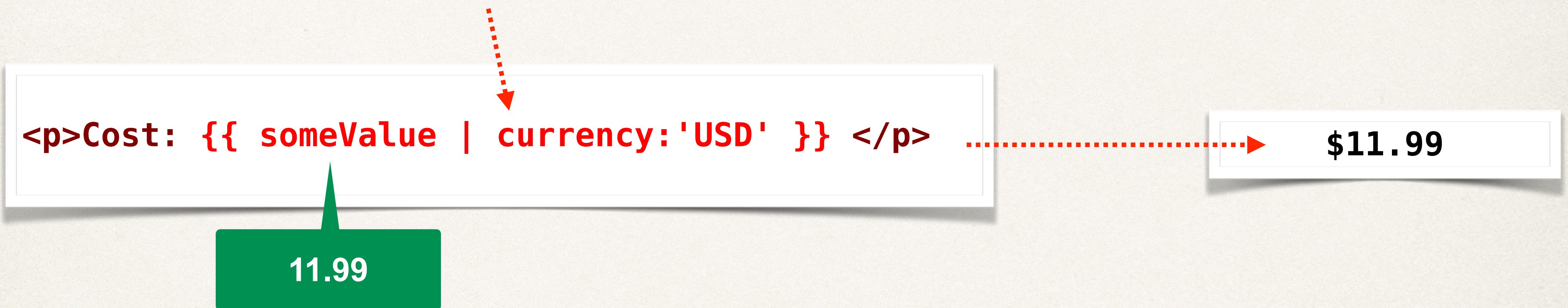
- Format the Sales Volume as a currency, U.S. Dollars



First Name	Last Name	Email	Sales Volume	Met Quota?
Anup	Kumar	anup.kumar@luv2code.com	\$50,000.00	No
John	Doe	john.doe@luv2code.com	\$40,000.00	No
Claire	Murphy	claire.murphy@luv2code.com	\$90,000.00	Yes
Mai	Truong	mai.truong@luv2code.com	\$60,000.00	Yes

# Currency Formatting

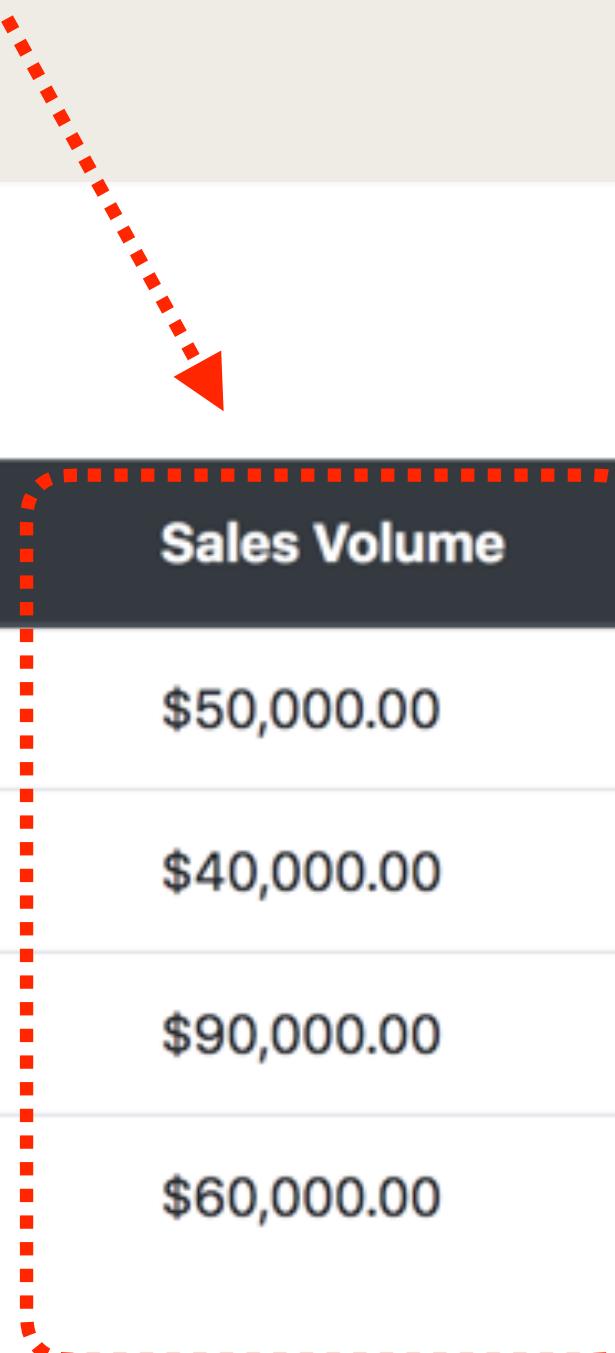
- Angular provides currency formatting using *Angular Pipes*
- You send data to a pipe for formatting



<https://angular.io/api/common/CurrencyPipe>

# Example

- Our example: format sales volume as currency, U.S. Dollars



First Name	Last Name	Email	Sales Volume	Met Quota?
Anup	Kumar	anup.kumar@luv2code.com	\$50,000.00	No
John	Doe	john.doe@luv2code.com	\$40,000.00	No
Claire	Murphy	claire.murphy@luv2code.com	\$90,000.00	Yes
Mai	Truong	mai.truong@luv2code.com	\$60,000.00	Yes

# Formatting with Currency Pipe

```
<table class="table table-hover">
  ...
  <tbody>
    <tr *ngFor="let tempSalesPerson of salesPersonList">
      ...
      <td>{{ tempSalesPerson.salesVolume | currency:'USD' }}</td>
      ...
    </tr>
  </tbody>
</table>
```

Formatting

First Name	Last Name	Email	Sales Volume	Met Quota?
Anup	Kumar	anup.kumar@luv2code.com	\$50,000.00	No
John	Doe	john.doe@luv2code.com	\$40,000.00	No
Claire	Murphy	claire.murphy@luv2code.com	\$90,000.00	Yes
Mai	Truong	mai.truong@luv2code.com	\$60,000.00	Yes

# Angular Pipes

- Other pipes available such as DatePipe, DecimalPipe, etc ...
- See the documentation for details

<https://angular.io/api/common#pipes>