How to use *ngIf else?

Asked 2 years, 5 months ago Active 16 days ago Viewed 565k times

519

99

I'm using Angular and I want to use `*ngIf else` (available since version 4) in this example:

```
<div *ngIf="isValid">
  content here ...
</div>

<div *ngIf="!isValid">
 other content here...
</div>
```

How can I acheive the same behavior with `ngIf else` ?

angular if-statement angular-template

edited Oct 8 '18 at 21:15
Alexander Abakumov
5,689 5 50 79

asked Mar 24 '17 at 18:18
kawli norman
2,598 2 6 6

Check here for Angular 8 explained with Example NgIf, NgIf Else and NgIf Then Else freakyjolly.com/… – Code Spy Aug 7 at 15:02

14 Answers

840

Angular 4 and 5:

using `else` :

```
<div *ngIf="isValid;else other_content">
```

```
<ng-template #other_content>other content here...</ng-template>
```

you can also use `then else` :

```
<div *ngIf="isValid;then content else other_content">here is ignored</div>
<ng-template #content>content here...</ng-template>
<ng-template #other_content>other content here...</ng-template>
```

or `then` alone :

```
<div *ngIf="isValid;then content"></div>
<ng-template #content>content here...</ng-template>
```

Demo :

Plunker

Details:

`<ng-template>` : is Angular’s own implementation of the `<template>` tag which is according to MDN :

> The HTML `<template>` element is a mechanism for holding client-side content that is not to be rendered when a page is loaded but may subsequently be instantiated during runtime using JavaScript.

edited Jun 25 '18 at 6:55
Iswar
948 4 23 49

answered Mar 24 '17 at 18:20
Bougarfaoui El houcine
17.2k 4 29 29

8 I hoped there was a way just to use <ng-template> without another tag like div, but oddly it is not... I know the <div> gets removed as you use it, but it's kinda weird as implementation I think. – andreas Mar 30 '17 at 20:03

13 @andreas You can use `<ng-container>` for the if-clause – Martin Schneider Jun 17 '17 at 11:08

2 Note: you can use `ng-container` for the container containing *ngIf, but not for the template – Simon_Weaver Jan 18 '18 at 1:32

@Simon_Weaver I figured it out the hard way. But why? why didn't they allow `*ngIf` to work on `ng-template` ? – Eran Medan Mar 15 '18 at 6:02

149

In Angular 4.x.x You can use ngIf in four way to achieve simple if else procedure:

1. Just Use **If**

```
<div *ngIf="isValid">
    If isValid is true
</div>
```

2. Using **If with Else** (Please notice to **templateName**)

```
<div *ngIf="isValid; else templateName">
    If isValid is true
</div>

<ng-template #templateName>
    If isValid is false
</ng-template>
```

3. Using **If with Then** (Please notice to **templateName**)

```
<div *ngIf="isValid; then templateName">
    Here is never showing
</div>

<ng-template #templateName>
    If isValid is true
</ng-template>
```

4. Using **If with Then and Else**

```
<div *ngIf="isValid; then thenTemplateName else elseTemplateName">
    Here is never showing
</div>

<ng-template #thenTemplateName>
    If isValid is true
</ng-template>

<ng-template #elseTemplateName>
```

> Tip: **ngIf** evaluates the **expression** and then renders the **then** or **else** template in its place when expression is truthy or falsy respectively. Typically the:
>
> - **then** template is the inline template of **ngIf** unless bound to a different value.
> - **else** template is blank unless it is bound.

edited Jul 17 '18 at 17:34
John Henckel
4,099 1 35 50

answered Oct 19 '17 at 15:18
user2577907

It seems like the compiler does not accept `...; else ...` . Probably the `;` should be removed. – slartidan Feb 27 '18 at 15:55

5 in angular-6, I tested with `...; else ...` and it worked – WasiF Sep 7 '18 at 14:32

14

To work with observable, this is what I usually do to display if the observable array consists of data.

```
<div *ngIf="(observable$ | async) as listOfObject else emptyList">
   <div >
        ....
    </div>
</div>
 <ng-template #emptyList>
   <div >
        ...
    </div>
</ng-template>
```

answered Sep 29 '17 at 9:03
Ah Hiang
313 3 11

"bindEmail" it will check email is available or not. if email is exist than Logout will show otherwise Login will show

```
<ng-template #login><li><a routerLink="/login">Login</a></li></ng-template>
```

edited Jul 23 '17 at 13:17

answered Jul 23 '17 at 13:13
Prashant Shrivastava
144 1 7

2 This doesn't work. If it were correct, then it still wouldn't add any value because the accepted answer shows already how to do it. – Günter Zöchbauer Jul 23 '17 at 13:18

4

In Angular 4.0 `if..else` syntax is quite similar to conditional operators in Java.

In Java you use to `"condition?stmnt1:stmnt2"` .

In Angular 4.0 you use `*ngIf="condition;then stmnt1 else stmnt2"` .

edited Jun 2 '17 at 19:25
msanford
7,415 7 47 68

answered Apr 11 '17 at 3:51
Amit Gaikwad
180 1 9

1 looks like Oracle case when expression.. :-) – Peter Jun 30 '17 at 8:09

4 You're referring to the ternary operator which exists in most C-based languages but this is closer to Kotlin's if expressions. – mythz Jun 30 '17 at 11:05

4

ngif expression resulting value won't just be the boolean true or false

if the expression is just a object, it still evaluate it as truthiness.

if the object is undefined, or non-exist, then ngif will evaluate it as falseness.

common use is if an object loaded, exist, then display the content of this object, otherwise display "loading.......".

```
<div *ngIf="!object">
```

```
<div *ngIf="object">
     <!-- the content of this object -->

           object.info, object.id, object.name ... etc.
 </div>
```

another example:

```
  things = {
 car: 'Honda',
 shoes: 'Nike',
 shirt: 'Tom Ford',
 watch: 'Timex'
 };

 <div *ngIf="things.car; else noCar">
  Nice car!
 </div>

<ng-template #noCar>
   Call a Uber.
</ng-template>

 <!-- Nice car ! -->
```

anthoer example:

```
<div *ngIf="things.car; let car">
   Nice {{ car }}!
 </div>
<!-- Nice Honda! -->
```

[ngif template](https://stackoverflow.com/questions/43006550/how-to-use-ngif-else)

[ngif angular 4](https://stackoverflow.com/questions/43006550/how-to-use-ngif-else)

answered Jan 11 '18 at 18:00

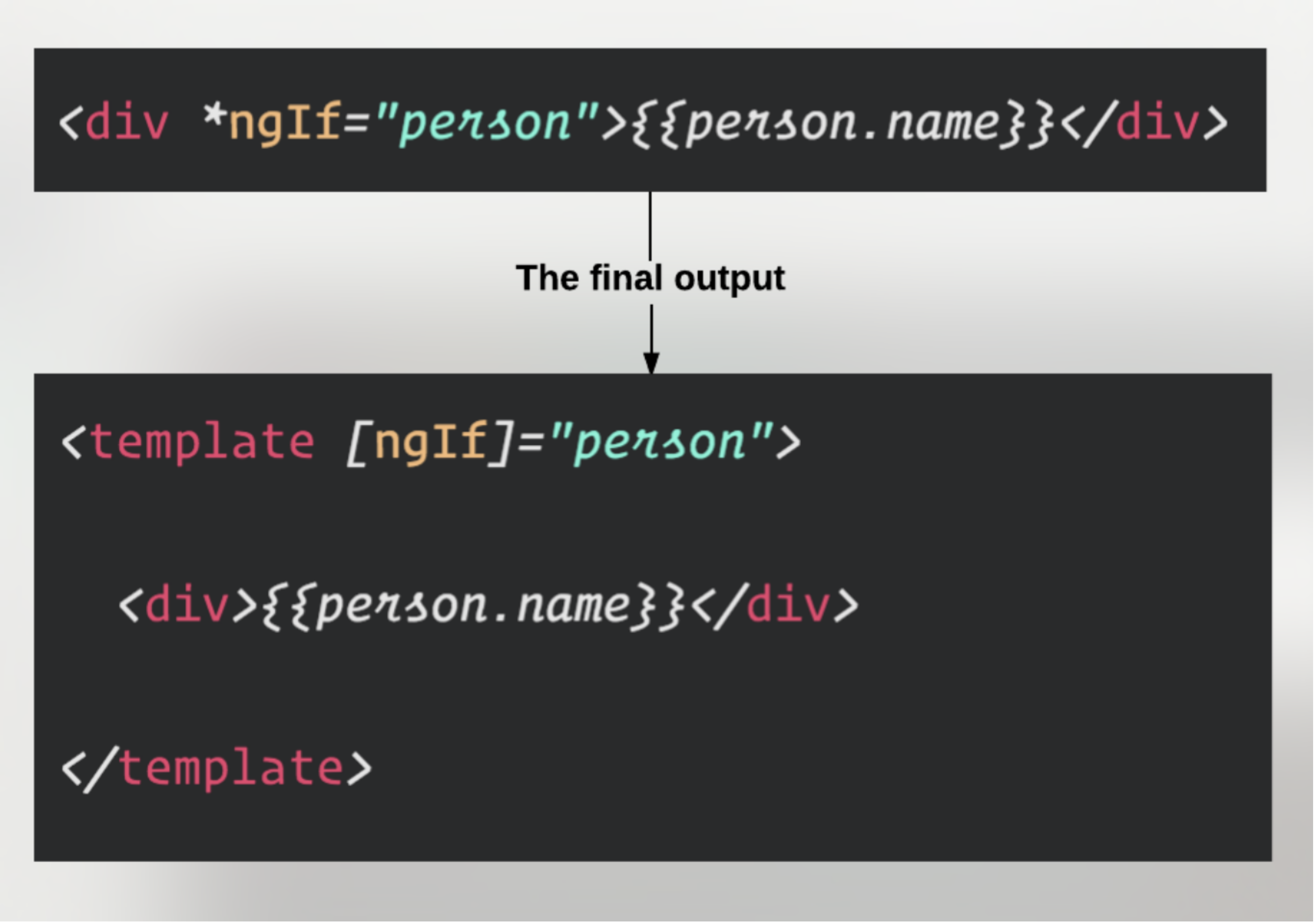
hoogw

1,875 19 18

4

Syntax for ngIf/Else

```
<div *ngIf=”condition; else elseBlock”>Truthy condition</div>
<ng-template #elseBlock>Falsy condition</ng-template>
```



```
<div *ngIf="person">{{person.name}}</div>
```

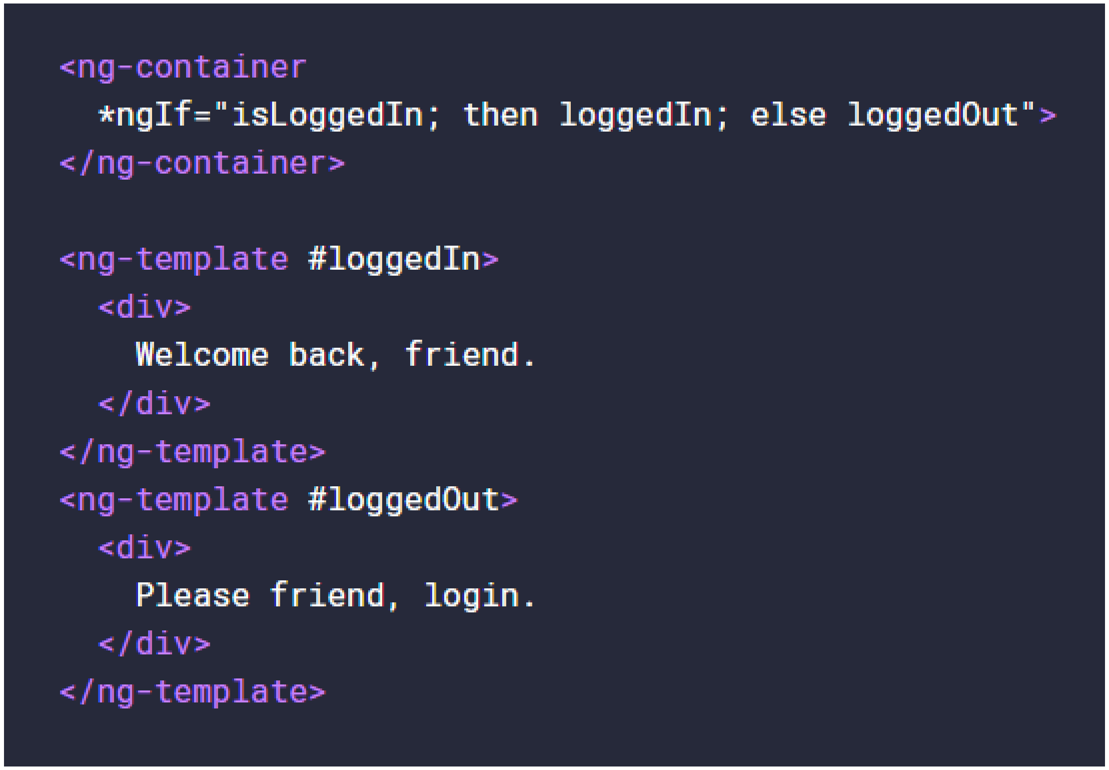
```
<template [ngIf]="person">

  <div>{{person.name}}</div>

</template>
```

Using NgIf / Else/ Then explicit syntax

```
<div *ngIf=”condition; then thenBlock else elseBlock”> ... </div>
<ng-template #thenBlock>Then template</ng-template>
<ng-template #elseBlock>Else template</ng-template>
```

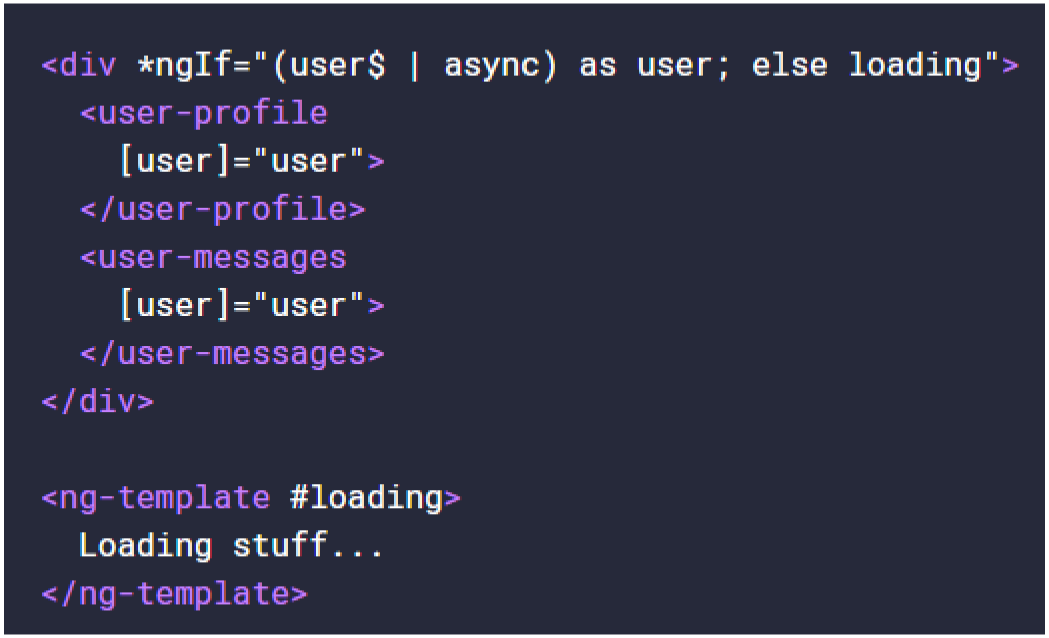


```
<ng-container
  *ngIf="isLoggedIn; then loggedIn; else loggedOut">
</ng-container>

<ng-template #loggedIn>
  <div>
    Welcome back, friend.
  </div>
</ng-template>
<ng-template #loggedOut>
  <div>
    Please friend, login.
  </div>
</ng-template>
```

Observables with NgIf and Async Pipe

For more details



```
<div *ngIf="(user$ | async) as user; else loading">
  <user-profile
    [user]="user">
  </user-profile>
  <user-messages
    [user]="user">
  </user-messages>
</div>

<ng-template #loading>
  Loading stuff...
</ng-template>
```

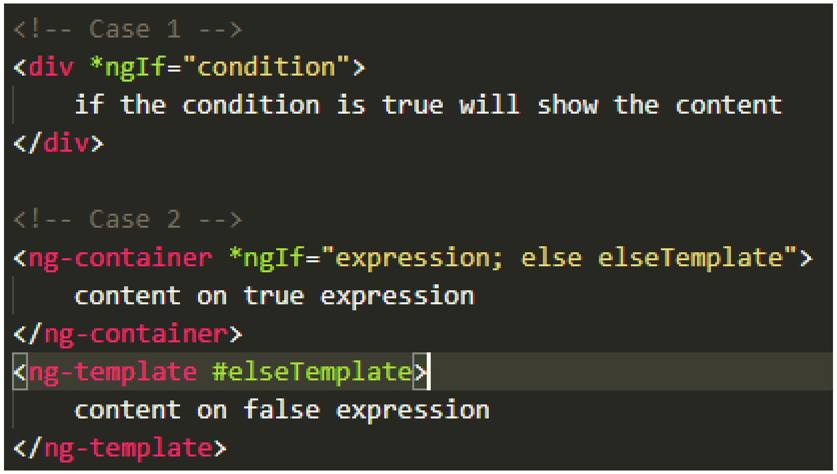
answered Oct 11 '18 at 8:10

Lyes CHIOUKH
2,638 6 22 46

2

There are two possibilities to use if condition on HTML tag or templates:

1. *ngIf directive from CommonModule, on HTML tag;
2. if-else



```
<!-- Case 1 -->
<div *ngIf="condition">
    if the condition is true will show the content
</div>

<!-- Case 2 -->
<ng-container *ngIf="expression; else elseTemplate">
    content on true expression
</ng-container>
<ng-template #elseTemplate>
    content on false expression
</ng-template>
```

answered Nov 13 '18 at 16:30

Rzv Razvan

1,003 1 6 11

2

`ng-template`

```
<ng-template [ngIf]="condition1" [ngIfElse]="template2">
        ...
</ng-template>


<ng-template #template2>
        ...
</ng-template>
```

answered May 18 at 9:03

Aniket

254 1 12

For **Angular 8**

```
export class AppComponent {
  isDone = true;
}
```

1) *ngIf

```
<div *ngIf="isDone">
  It's Done!
</div>

<!-- Negation operator-->
<div *ngIf="!isDone">
  It's Not Done!
</div>
```

2) *ngIf and Else

```
<ng-container *ngIf="isDone; else elseNotDone">
  It's Done!
</ng-container>

<ng-template #elseNotDone>
  It's Not Done!
</ng-template>
```

3) *ngIf, Then and Else

```
<ng-container *ngIf="isDone;  then iAmDone; else iAmNotDone">
</ng-container>

<ng-template #iAmDone>
  It's Done!
</ng-template>

<ng-template #iAmNotDone>
  It's Not Done!
</ng-template>
```

edited Aug 20 at 5:13 answered Aug 7 at 15:08

1

You can also use Javascript short ternary conditional operator ? in angular like this:

```
{{doThis() ? 'foo' : 'bar'}}
```

or

```
<div [ngClass]="doThis() ? 'foo' : 'bar'">
```

answered May 13 at 7:58

Sebastian Viereck

2,775 27 34

0

```
<div *ngIf="this.model.SerialNumber != '';then ConnectedContent else
DisconnectedContent" class="data-font">    </div>

<ng-template #ConnectedContent class="data-font">Connected</ng-template>
<ng-template #DisconnectedContent class="data-font">Disconnected</ng-template>
```

answered Apr 17 '18 at 15:44

Amir Twito

961 1 17 18

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In Angular 4, 5 and 6

We can simply create a *template reference variable* [2] and link that to the else condition inside an *ngIf directive

The possible *Syntaxes* [1] are:

```
<!-- Only If condition -->
```

```
<!-- If and else conditions -->
<div *ngIf="condition; else elseBlock">...</div>
<!-- or -->
<ng-template #elseBlock>...</ng-template>

<!-- If-then-else -->
<div *ngIf="condition; then thenBlock else elseBlock"></div>
<ng-template #thenBlock>...</ng-template>
<ng-template #elseBlock>...</ng-template>


<!-- If and else conditions (storing condition value locally) -->
<div *ngIf="condition as value; else elseBlock">{{value}}</div>
<ng-template #elseBlock>...</ng-template>
```

DEMO: https://stackblitz.com/edit/angular-feumnt?embed=1&file=src/app/app.component.html

Sources:

1. https://angular.io/api/common/NgIf#syntax
2. https://angular.io/guide/template-syntax#template-reference-variables--var-

answered Aug 8 '18 at 20:24
Kalpesh Panchal
598 5 16

0

I know this has been a while, but want to add it if it helps. The way I went about with is to have two flags in the component and two ngIfs for the corresponding two flags.

It was simple and worked well with material as ng-template and material were not working well together.

answered Sep 20 '18 at 7:29
user1707141
813 3 19 37

Thank you for your interest in this question. Because it has attracted low-quality or spam answers that had to be removed, posting an answer now requires 10 reputation on this site (the association bonus does not count).

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