




# Difference between double and single curly brace in angular JS?

  
187  
  
  
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I am new to this angular world, i am bit confused with the use of double curly braces `{{}}` and single curly braces `{}` or sometime no curly brace is used to include the expression like in the directives

1. `ng-class={expression}`
2. normal data binding like `{{obj.key}}`
3. `ng-hide='mydata=== "red"'`

angularjs

edited Dec 11 '13 at 20:48



Maxim Shoustin

68.9k 26 183 210




asked Jul 26 '13 at 10:06



Mohamed Hussain

3,053 12 41 64

## 2 Answers

  
273  
  


**`{{}}` - double curly braces:**

`{{}}` are Angular expressions and come quite handy when you wish to write stuff to HTML:

```
<div>
  {{planet.name == "Earth" ? "Yeah! We 're home!" : "Eh! Where 're we?"}}
</div>
```

*<!-- with some directives like `ngSrc` -->*

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```
<!-- set a custom attribute for your custom directive -->  
<div custom-directive custom-attr="{{pizza.size}}"></div>
```

Don't use these at a place that is already an expression!

For instance, the directive `ngClick` treats anything written in between the quotes as an expression:

```
<!-- so dont do this! -->  
<!-- <button ng-click="activate({{item}})">... -->
```

## **{}** - single curly braces:

`{}` as we know stand for objects in JavaScript. Here, too, nothing different:

```
<div ng-init="distanceWalked = {mon:2, tue:2.5, wed:0.8, thu:3, fri:1.5,  
sat:2, sun:3}">
```

With some directives like `ngClass` or `ngStyle` that accept map:

```
<span ng-style="{ 'color' : 'red' }">{{viruses.length}} viruses found!</span>  
  
<div ng-class="{ 'green' : vegetable == 'lettuce',  
'red' : vegetable == 'tomato' }">..
```

## **no curly braces:**

As already mentioned just go braceless when inside expressions. Quite simple:

```
<div ng-if="zoo.enclosure.inmatesCount == 0">  
  Alarm! All the monkeys have escaped!  
</div>
```


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- 2 We can use `{{}}` with `ng-include` directive, in `ng-src` property. – [Jay Shukla](#) Jul 27 '13 at 15:22
- 5 Like someone mentioned in the comments, Double braces `{{}}` is supposed to be put in `ng-src` directive between quotes. But why is `ng-src` able to do that? Is there a name for special kind of directives that takes `{{}}` inside quotes? – [ayjay](#) Jun 13 '14 at 16:56
- Is there any difference between `{{foo-bar}}` and `"{{foo-bar}}"` ? – [aandis](#) Jul 30 '14 at 14:35
- 5 I had to do a bit more research on this myself to fully understand it, but I thought this blog post really helped along with [@CodeHater's](#) answer, [Why, does AngularJS sometimes use single braces `{.}`, sometimes double braces `{{.}}`, and sometimes no braces?](#) – [Prancer](#) Feb 18 '15 at 20:58 

one more thing about `{{}}` it is also used as `Watcher`.. please avoid as much as possible for better performance

3

edited Mar 27 '18 at 11:38



[Mosh Feu](#)

16.8k 11 56 88

answered Jan 4 '17 at 6:46



[riyas va](#)

46 4

Did you mean `{{}}` degrades performance? Can you please provide a source to prove that? – [Don D](#) Aug 31 '18 at 9:21

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