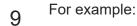# Methods vs pipes

Asked 1 year, 7 months ago   Active 6 months ago   Viewed 2k times

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Is there a difference between using a pipe and a method in template interpolation in an Angular application?

For example:

```
<h1>{{ name.toLowerCase() }}</h1>  VS  <h1>{{ name | lowercase }}</h1>
```

In terms of performance, is there a real gain or is it just personal preference?

I know that calling methods in your template will generally slow performance due to Angular constantly checking to see whether or not its execution has changed anything. Most of the time, I'd use a computed property on my component.

[angular] [performance]

edited Sep 7 '18 at 15:21   asked Jan 18 '18 at 23:38

Alexander Abakumov   User 5842
5,699   5   50   79   **997**   11   31

1   Not sure about performance so I can't answer your question but pipes are typically global and therefore reusable. They save you having to write the same functions on every component. – Brad Jan 18 '18 at 23:55

2 Answers

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TL;DR; Don't use functions or methods in the template, use pipes instead.

A pipe would be called only when input values change. A function or a method would be called on every change detection. Here is a nice article if you want to know more about functions in template.

Here is a running stackblitz demonstration of method vs pipe.

Please read documentation about pipes paying attention to such called "pure" and "impure" pipes. That should address the question about the performance for pipes.

3

Calling a function like this

```
{{ name.toLowerCase() }}
```

depends of a function itself. In this specific case I think it is the same as pipe, but pipes where specifically created for that purpose.

answered Jan 19 '18 at 3:52

Arttu
154   9

1   you can also reference that article in your answer The essential difference between pure and impure pipes in Angular and why that matters –
Max Koretskyi aka Wizard Jan 19 '18 at 6:05