# The underestimated power of KeyPaths

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## KeyPaths?

### KeyPaths

KeyPaths were introduced with Swift 4

They are a way to defer a call to the getter/setter of a property

```
let countKeyPath: KeyPath<String, Int> = \String.count // or \.count
let string = "Hello dotSwift!"
string[keyPath: countKeyPath] // 15
```

They perform the same job than a closure, but with less \$0 hanging around

## How can they be leveraged?

## It's not always this simple...

```
people.sorted(by: { $0.lastName < $1.lastName })</pre>
```

people.sorted(by: { \$0.lastName < \$1.lastName })</pre>

people.sorted(by: their(\.lastName))

people.sorted(by: their(\.lastName, comparedWith: >))

## Conclusion

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KeyPaths are great, use them!

Many other possibilities, like type-safe predicates:

people select (where: \ age  $\leq 22 \& \ \ \ astName count > 10$ )

You want to see more?

https://github.com/vincent-pradeilles/KeyPathKit

