

# PROMISES

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Promises were introduced in ES6

To understand a Promise, I want to give you an example

# EXAMPLE

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You order 2 cappuccino's ☕☕ from your local coffee shop

The barista tells you "Please wait 5 minutes while we get your order ready"

This is a promise

You take a seat, do your own thing (asynchronous) and in 3 minutes your first coffee ☕ is ready

But you ordered 2 ☕☕ ... so you wait some more

# EXAMPLE

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The Barista does not bother you, and starts preparing the second cappuccino

Once the second cappuccino is ready, you are then called and handed your complete order ☕ ☕

The order is now fulfilled (or **resolved**)

Had any or both of the cappuccinos not arrived, the order would have been **rejected**

# EXAMPLE

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When the cappuccino (or message) is delivered, it becomes **immutable**

In other words, you can't go back to the Barista and tell him/her that your cappuccino was half drunk by someone else

# PROMISES

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There are 2 important points to note about our example:

- 1 Promises are time-independent
- 2 Promises are immutable