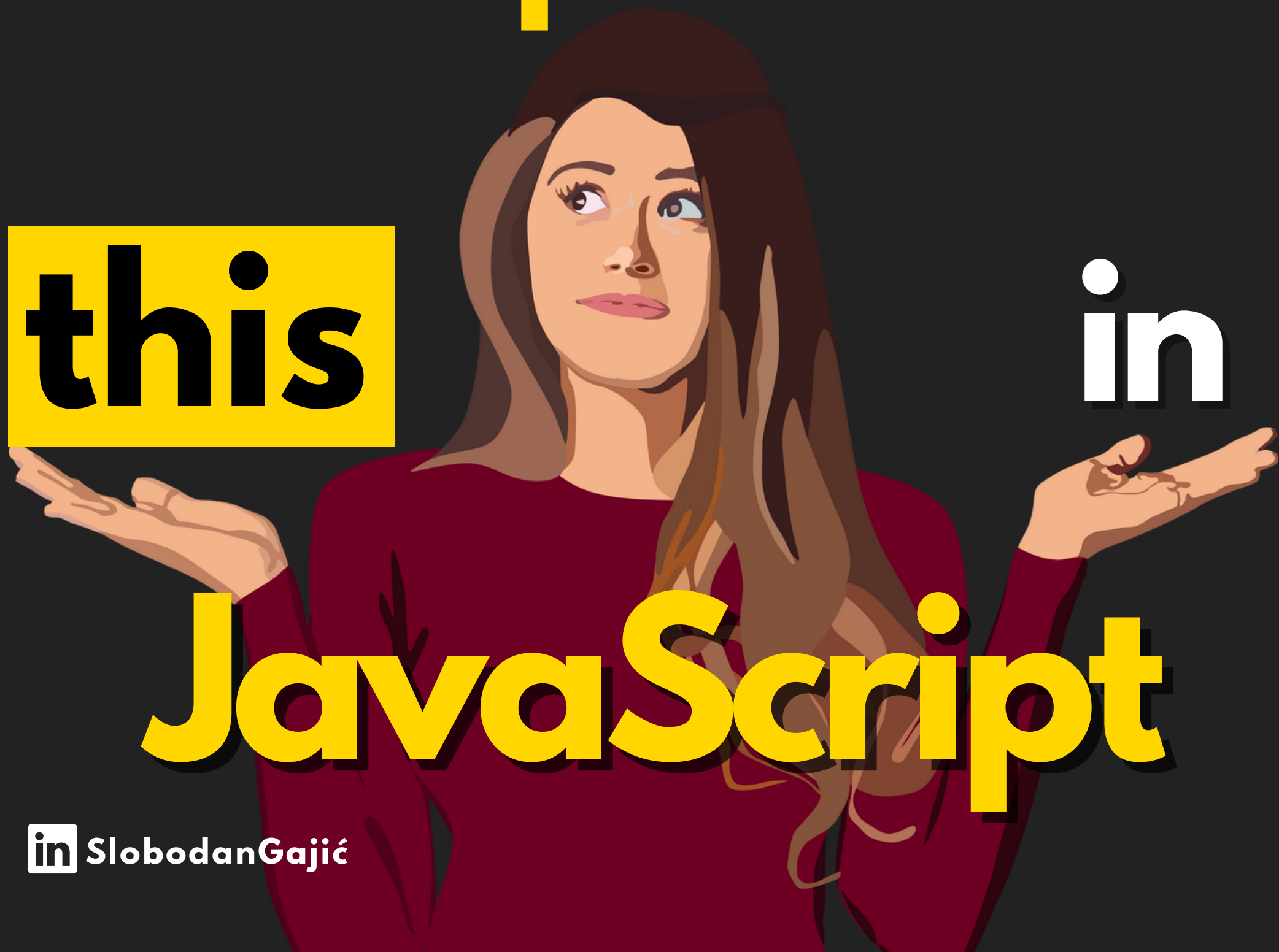
JS

interview questions

SWIPE

Explain this in JavaScript



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The **this** keyword in JavaScript is one of the language's most **difficult** topics.

Even if a developer knows the theory behind this, it can still be **challenging** to work with in real code.

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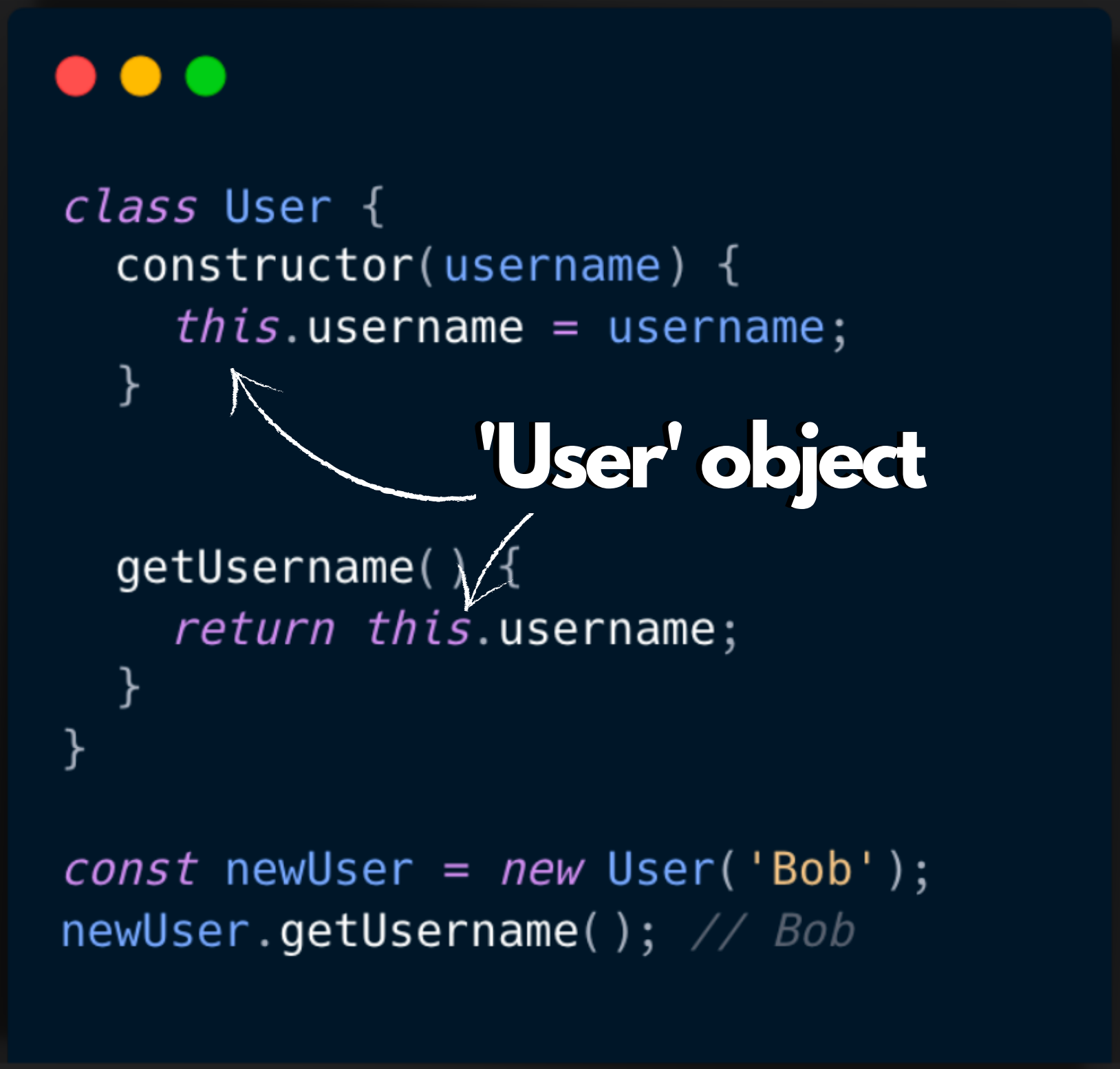
In the example below, we **create** an object and use the **this** keyword inside of it to **reference** the object itself. It allows us to access data and methods on the object.



SWIPE

But even if you define this to work a certain way, it can still **change** at any point in your program.

There are **six** rules to help you determine what the value of this will be:

When you **create** an object using the new keyword with a constructor function/class, this will refer to the **new** object **inside** the function.

SWIPE

2

Using **bind**, **call**, or **apply** will **override** the value inside a function, and you can hardcode its value for this.

3

If a function is called on an object as a method, this will **refer** to the **object** that is calling it.

For example, **myObject**.method() would have a value of this that refers to myObject.

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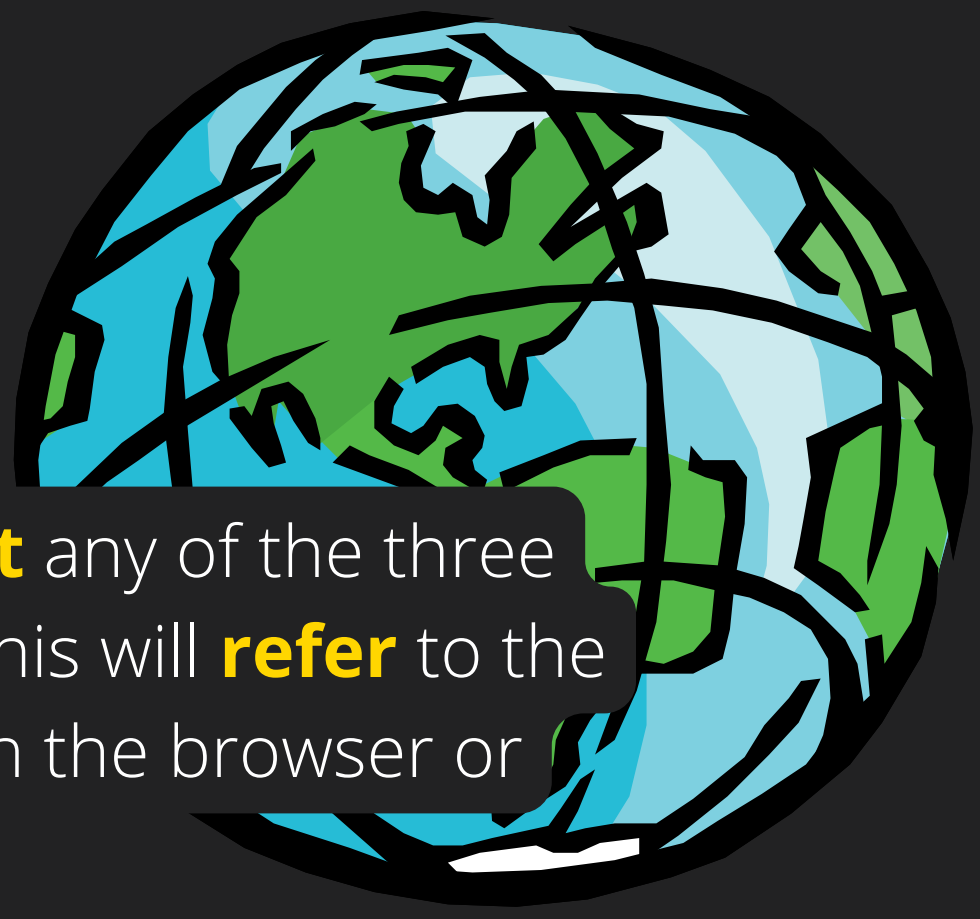
4



If a function is executed **without** any of the three previous criteria being applied, this will **refer** to the **global** object, which is window in the browser or global in Node.

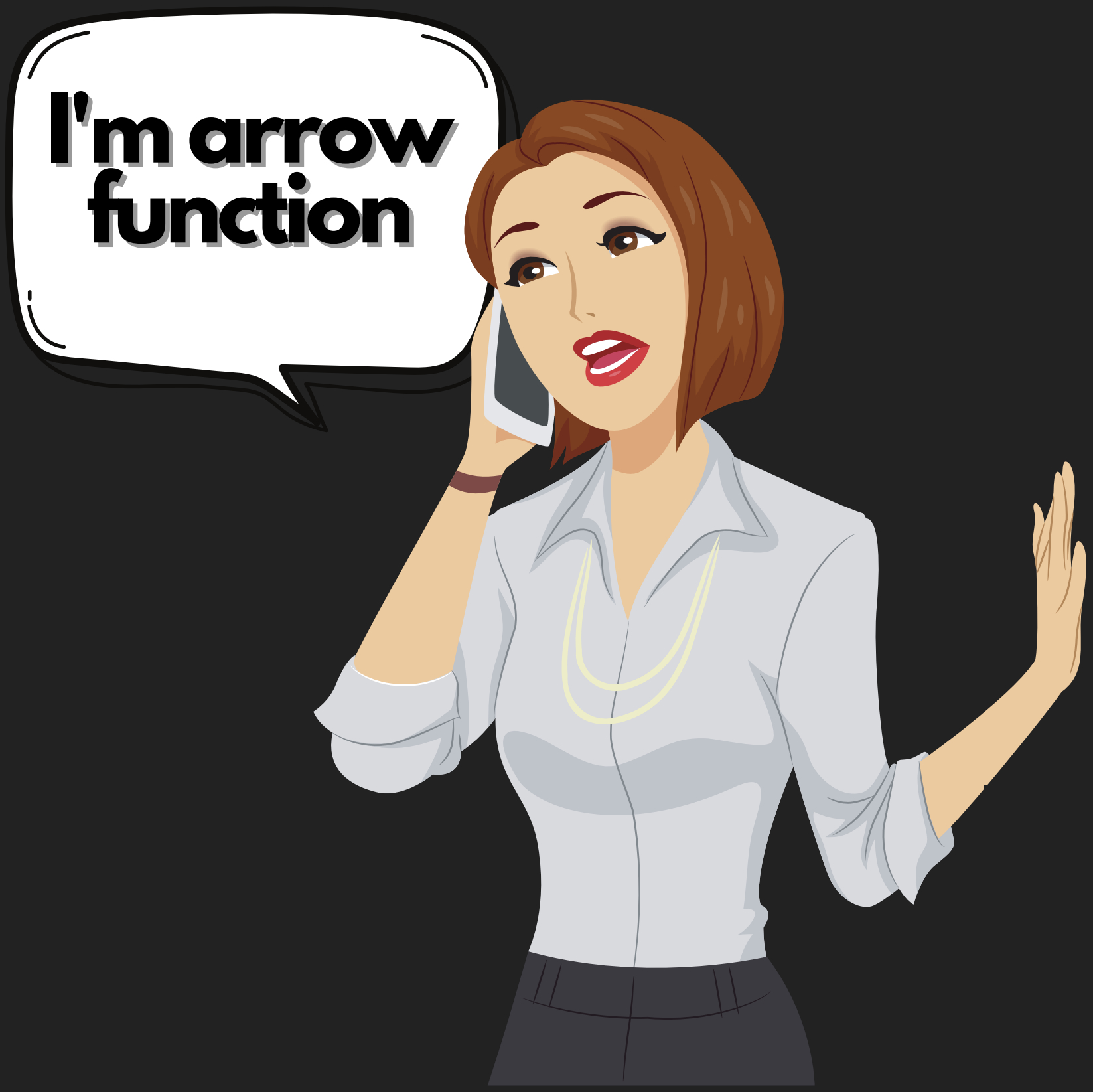
5

If **multiple** rules from above apply, it will use the rule that comes **first** in this list.

SWIPE

6

Arrow functions **ignore** all the above rules, and the value of this is determined by the **scope** enclosed by the arrow function.



RULES

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Would you add something?

LET ME KNOW IN **THE COMMENTS**

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