JS

Most common JavaScript
Interview Questions

Closures

in JavaScript

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Closures can be confusing for newer developers, but once the concept *clicks*, they become very intuitive.

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So what are **closures** and why should you bother?

Closure is defined as an **inner function** that has **access** to variables and parameters of an outer function even **after the outer function has returned**!!

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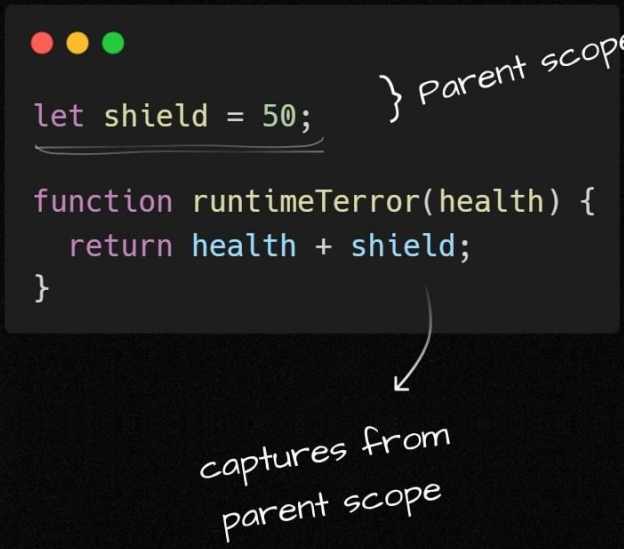
In simple words, closures are Javascript **functions** combined with its **lexical environment**.



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The **lexical environment** is generally an outer function that provides its local variables and other information to the inner function.

```
function outerFunction() {
  let outerVar = 'I am outside!';
  function innerFunction() {
    console.log(outerVar);
    // "I am outside!"
  }
  return innerFunction;
}
function execute() {
  const myInnerFunction = outerFunction();
  myInnerFunction();
}
execute();
```

The key to forming a closure is returning a function from another function.

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But **why** use closures in Javascript?

For **data privacy** and encapsulation

Encapsulation in JavaScript is like making the properties of an object private

The **simplest** and most elegant way to do that is using closures.

Do you find it helpful?

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Code with Sloba

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