JavaScript Interview Questions - Expanded Guide

=== 1. What is Closure? ===

A closure is when a function remembers its lexical scope even if executed outside its scope.

Example:

```javascript
function outer() {

let count = 0;

return function inner() {

count++;

return count;

}

}

const counter = outer();

counter(); // 1

counter(); // 2
```

=== 2. Hoisting ===

JavaScript hoists function and variable declarations to the top of their scope.

=== 3. Scope & Block ===

- Global Scope

- Function Scope

- Block Scope (with let, const)

=== 4. Event Loop ===

JS is single-threaded. Event loop handles async code using callback queue and microtask queue.

=== 5. Promises & async/await ===

Promises handle async logic.

Example:

```
fetch(url).then().catch()


async function fetchData() {

try {

const res = await fetch(url);

const data = await res.json();

} catch(err) {}

}
```

=== 6. Array Methods ===

map(), filter(), reduce(), forEach(), find()

=== 7. This Keyword ===

Depends on context. Use bind(), call(), or arrow functions to control it.

=== 8. Prototypes & Inheritance ===

JS uses prototype-based inheritance.

=== 9. ES6+ Features ===

- Destructuring

- Template literals

- Spread & Rest operators

- Optional chaining

=== 10. Type Coercion ===

JS converts types implicitly with ==. Use === for strict comparison.