Q #1

What is a closure in JavaScript?

Q #2

What is the difference between let and var?

Q #3

What is the event loop?

Q #4

What is Hoisting?

Q #5

What is Promise?

Q #6

What is Async/Await?

Q #7

What is destructuring?

Q #8

Why use arrow functions?

A #2

let is block-scoped while var is function-scoped. let also doesn't allow redeclaration in the same scope.

A #1

A closure is a function that has access to variables in its outer (enclosing) lexical scope, even after the outer function has returned.

A #4

The behavior where variable and function declarations are moved to the top of their scope during compilation.

A #3

The event loop is a mechanism that handles asynchronous operations in JavaScript by continuously checking the call stack and callback queue.

A #6

Syntactic sugar built on top of Promises that makes asynchronous code look and behave more like synchronous code.

A #5

An object representing the eventual completion or failure of an asynchronous operation.

A #8

Arrow functions provide a shorter syntax and lexically bind the 'this' value, making them ideal for callbacks and functional programming patterns.

A #7

Destructuring is a JavaScript expression that allows you to extract values from arrays or properties from objects into distinct variables.

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