Your question to answer:

1. What is the callback queue in JavaScript, and how does it work?

Answer to the question you are asking:

1. What is a closure, and why would you use one?

In Javascript, a closure is a function that captures free variables. This means that a function has access to variables that were defined in an enclosing scope, but are not accessible to anyone using the function. In effect, the closure function remembers values that were in scope when it was originally defined. This effectively allows us to create private state for a function.

Let’s consider an example:

function counter() {

let count = 1;

return () => count++;

}

When we call this counter function, it will return a function object that when invoked will increase the count by one. The user of the returned function will be able to increase the counter, but never reset its value.