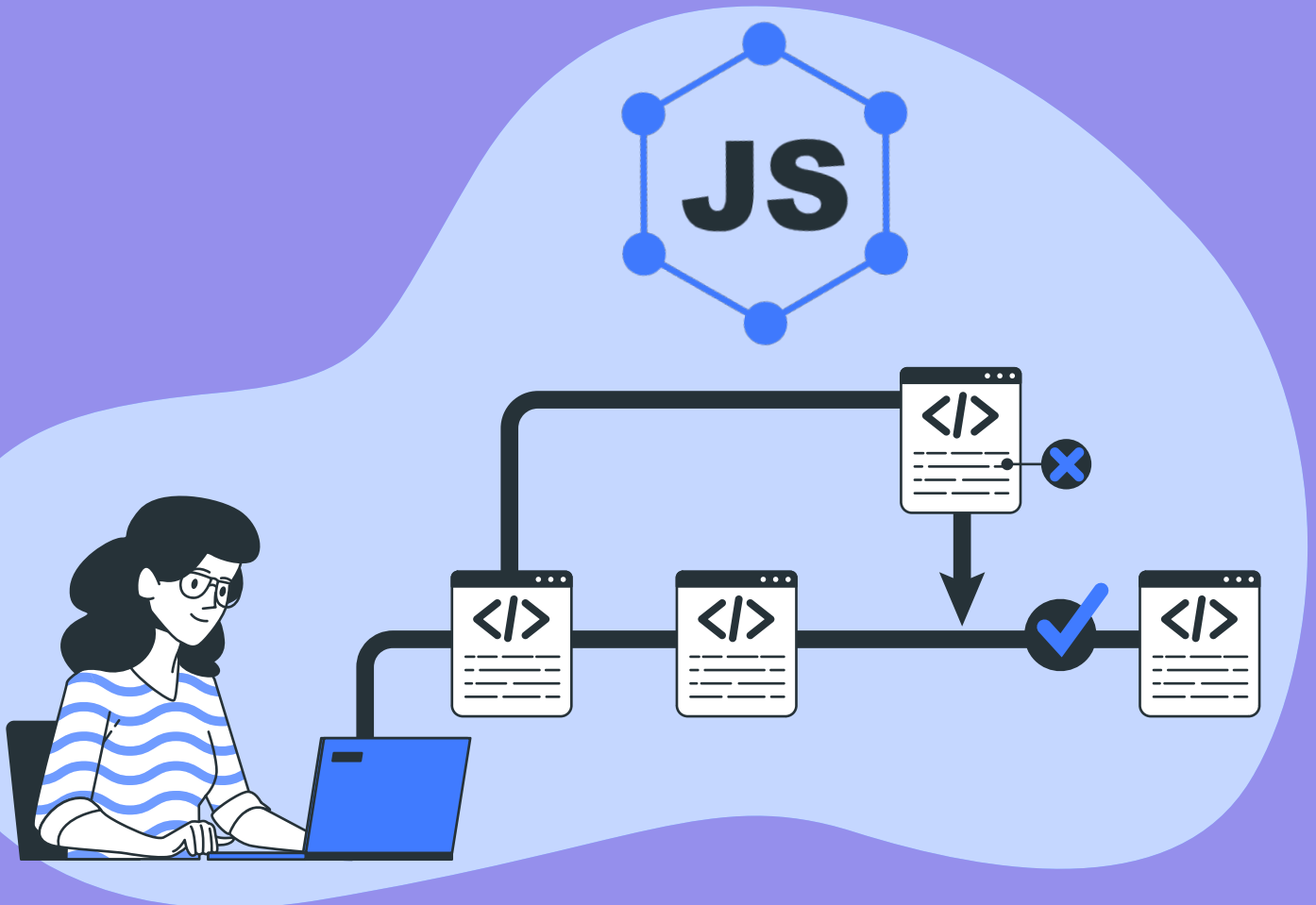


Async programming, CallBacks, Timers, CallBacks hell in Javascript

Pre-read



Things I need to know before this session

The session requires you to have basic knowledge of variables in Javascript. Make sure you have revised all the previous concepts.

What will be taught in the coming session?

Synchronous programming:

Synchronous, in general, means one at a time.

Synchronous is the sequential flow of program execution in a programming context



We will learn about the following:

- Process
- Threads
- Multi-Threading

Async programming:

Asynchronous in general is not occurring at the same time.

Callbacks:

Callbacks are basically functions that are passed as arguments to other functions and then invoked in the outer function to perform its operation.

We will see how some callbacks acts as a synchronous program and also we will learn to create a custom callback.

Call Stack:

Call Stack is the stack data structure maintained by the Javascript engine.

Timing Events in JS:

In Javascript there are two Timing Events

1. `setTimeout()`
2. `setInterval()`



Upcoming Session:

Promise

Promise Chaining

Error Handling with Promise

MicroTasks

Async-await

Generators and Iterators

