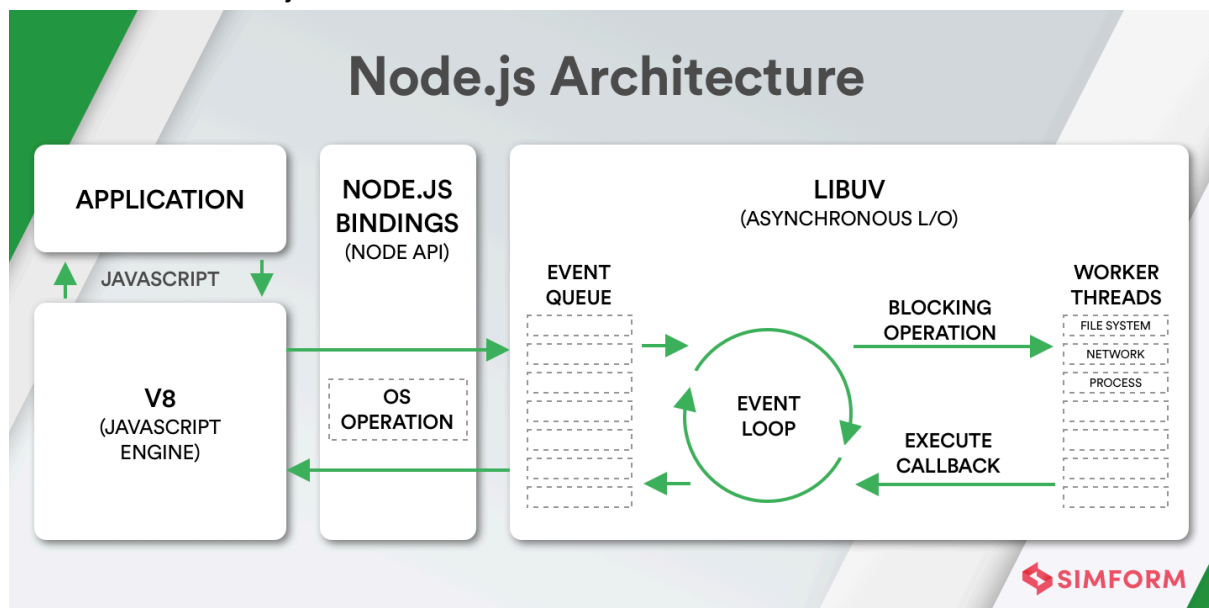


1. Differentiate between JavaScript and Node.js.
 - a. JavaScript: a programming language.
 - b. Node.js: is an environment to execute javascript on a server.
2. Why Node.js is single-threaded?
 - a. Considered: because it runs on a single thread.
 - b. Why:
 - i. JavaScript is single-threaded and non-blocking because it is asynchronous
 - ii. Instead of multiple threads, we use one thread that is non-blocking and this is faster
3. How do Node.js works?



- a. It receives requests
 - b. Stack them in the event queue
 - c. Execute the blocking operation
 - d. When the blocking operation is done it executes a callback using the event loop
4. What is package.json?
 - a. It is a file used by npm to list program dependencies
5. What is an Event loop in Node.js and how does it work?
 - a. An endless loop, which waits for tasks, executes them and then sleeps until it receives more tasks.