Node.js Callbacks

Callback is an asynchronous equivalent for a function. It is called at the completion of each task. In Node.js, callbacks are generally used. All APIs of Node are written in a way to supports callbacks. For example: when a function start reading file, it returns the control to execution environment immediately so that the next instruction can be executed.

In Node.js, once file I/O is complete, it will call the callback function. So there is no blocking or wait for File I/O. This makes Node.js highly scalable, as it can process high number of request without waiting for any function to return result.

So we can say that, a blocking program executes very much in sequence. It is also easier to implement the logic from programming point of view in block programs. But non-blocking programs does not execute in sequence, so in case a program needs to use any data to be processed, it should be kept with-in the same block to make it sequential execution.