

Lab 02 - Written Exercise**1. SetImmediate over setTimeout**

setImmediate() is designed to execute a script once the current poll phase completes.

setTimeout() schedules a script to be run after a minimum threshold in ms has elapsed.

setImmediate() will always be executed before any timers if scheduled within an **I/O cycle**, independently of how many timers are present. Hence, we should use it when we want to do something from I/O callback or start a database connection before continuing and this gets precedence to run first.

2. Process.nextTick vs setImmediate

process.nextTick() fires immediately on the same phase.

setImmediate() fires on the following iteration or 'tick' of the event loop.

3. 10 core built-in modules of Node

No	Module	Description
1	assert	Provides a set of assertion tests
2	buffer	To handle binary data
3	child_process	To run a child process
4	cluster	To split a single Node process into multiple processes
5	stream	To handle streaming data
6	http	To make Node.js act as an HTTP server
7	https	To make Node.js act as an HTTPS server.

8	domain	Deprecated. To handle unhandled errors
9	events	To handle events
10	fs	To handle the file system