1. Explain why do we want sometimes to use set Immediate instead of using set Timeout?

That’s depend on our logic, because Libuv component has event loop, so the event loop works with set of queues, they are have order and event loop work depend on their order.

So when we use setTimeOut we put the callback function in Timer queue, when we use setImmediate we put the callback function in Check queue, and event loop beginning from timer queue and get punch of function to put them in V8 to execute, and repeat that step with next queue in order until reach to close event queue.

1. Explain the difference between process.nextTick and setImmediate?

Process.nextTick has high priority queue, which is if there are some functions in it, that’s mean the event loop put all of them in V8 before doing anything.

setImmediate put its callback function in check queue, which is mean if nextTick queue is empty then the event loop works on its queue.

1. Name 10 core module that node provide by default.

* Fs
* http,https
* buffer
* os
* queryString
* stream
* url
* net
* child\_process
* cluster