**Written Exercise**

1. Explain why do we want sometimes to use setImmediate instead of using setTimeout?

Ans:- setImmediate functions are put in the “check” task queue and setTimeout in the “timer” task queue. When event loop starts injecting processes from task queue to V8 there is priority order of the different layers of task queues. Check queue has lower priority. Sok, the reason why we may need to use setImmediate instead of using setTimeout is to give our function to have lower priority and get executed accordingly.

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

Ans:- Both this functions are located in Libuv part of node. However, they are put in different task queus categories. Process.nextTick() is in priority queue while setImmediate in check queue. All the time process.nextTick has highest priority over all of the categories of task queue including check queue. So, process.nextTick() has higher priority than setImmediate function.

1. Name 10 core modules that node provides by default.

Ans:-

1. streams

2. Buffer

3. https

4. http

5. Timers

6. Path

7. v8

8. URL

9. events

10. os