- 1. What is LibUV?
 - a multi-platform support library with a focus on asynchronous I/O.
 - Asynchronous file and file system operations
 - Thread pool
- 2. Explain the difference between setImmediate(f) and setTimeout(f, Time)?
 - setTimeout(f, Time): schedules a callback f to run after a specific Time, the functions are registered in the timers phase of the event loop.
 - **setImmediate(f):** schedules a callback f to run at **check phase** of the event loop after IO events' callbacks.
 - When running setTimeout with a delay 0 ms and an setImmediate async method, the order of execution can never be guaranteed.

```
setTimeout(() =>console.log("this is setTimeout..."), 0);
setImmediate(() =>{ console.log('immediate'); });
```

- 3. Explain the difference between process.nextTick(f) and setImmediate(f)?
 - **setImmediate(f):** schedules a callback f to run at **check phase** of the event loop after IO events' callbacks.
 - process.nextTick() is not part of the event loop, it adds the callback into the nextTick queue. Node processes **all the callbacks** in the nextTick queue after the current operation completes and before the event loop continues

```
setImmediate(() => { console.log('immediate'); });
process.nextTick(()=> console.log('nexttick'));
the result will be:
    nexttick
    immediate
```