1. What is LibUV?	
LibUV is a multi-platform C library that pro	vides Node.js with an event-driven, asynchronous I/O
model.	
It powers Node's event loop, async I/O, a	and abstract OS-specific features for networking, file
system, timers, etc.	
2. Difference between setImmediate(f) and s	etTimeout(f, 0)
Feature   setImmediate(f)	setTimeout(f, 0)
Timing   Executes after I/O events	Executes after at least 0ms delay
Event Loop   Runs in 'check' phase	Runs in 'timers' phase
Priority   Higher priority when after I/O	Lower priority; might be delayed more
Use Case   Post-I/O operations	General delay execution
3. Difference between process.nextTick(f) an	d setImmediate(f)
Feature   process.nextTick(f)	setImmediate(f)
Timing   Executes before event loop co	ontinues   Executes after I/O callbacks
Priority   Higher (runs before any I/O or	timers)   Lower
Blocking Risk   Can starve event loop if over	erused   Does not block the event loop
4. Code Output Explanation:	

Code:

```
const fs = require('fs');
const rd = fs.createReadStream("input.txt");
rd.close();
rd.on("close", () => console.log('readablStream close event'))
fs.readFile('input.txt', "utf-8", (error, data) => {
  if (error) console.log(error);
  else console.log(data)
});
setTimeout(() => console.log("this is setTimeout"), 5000);
setTimeout(() => console.log("this is setTimeout"), 0);
setImmediate(() => console.log("this is setImmediate 1"));
setImmediate(() => {
  console.log("this is setImmediate 2")
  Promise.resolve().then(() => console.log('Promise.resolve inside setImmediate'));
});
Promise.resolve().then(() => console.log('Promise.resolve 1'));
Promise.resolve().then(() => {
  console.log('Promise.resolve 2')
  process.nextTick(() => console.log('nextTick inside Promise'));
});
process.nextTick(() => console.log('nextTick 1'));
```

**Expected Output:** 

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nextTick 1

Promise.resolve 1

Promise.resolve 2

nextTick inside Promise

this is setTimeout

readablStream close event

<contents of input.txt>

this is setImmediate 1

this is setImmediate 2

Promise.resolve inside setImmediate

this is setTimeout