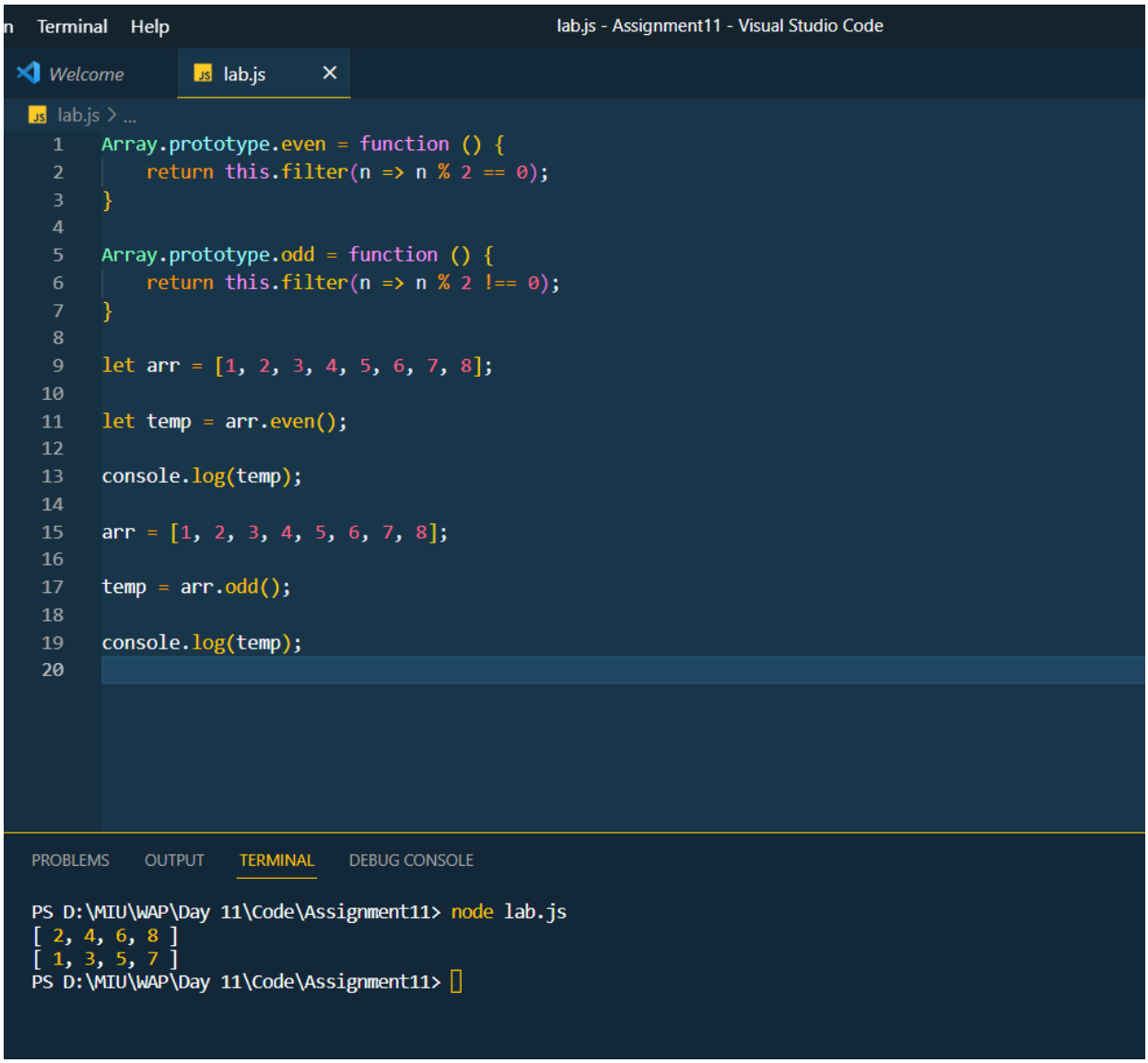
LAB 11.

Question 1



Question 2

1- setTimeout runs in the Timer phase, and setImmediate runs in the check phase. For example: If a case needs to run just before the close phase, we can use setImmediate.

```
var fs = require('fs'); var path = require('path');
fs.readFile(path.join(__dirname, 'greet.txt'), 'utf8', function(err, data) {
setTimeout(() => { console.log('timeout'); }, 0);
setImmediate(() => { console.log('immediate'); });
process.nextTick(() => console.log('nexttick')); });
```

2- callback of process.nextTick gets executed multiple chances in one iteration - highest priority. setImmediate only gets executed once in one cycle.

how many callbacks will be executed in one iteration? process.nextTick() - all of the callbacks in nextTick queue, drain out - Don't use while true loop on process.nextTick, will block the event loop. setImmediate - certain, the remaining for next iteration/tick

process.nextTick - API provided natively by Node.js setImmediate - provided by libuv

3- No.