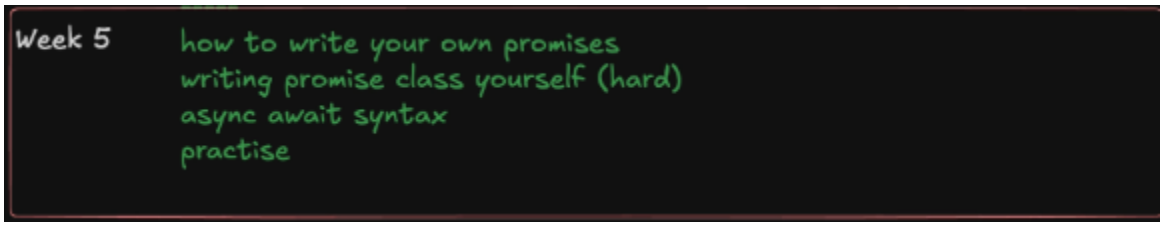
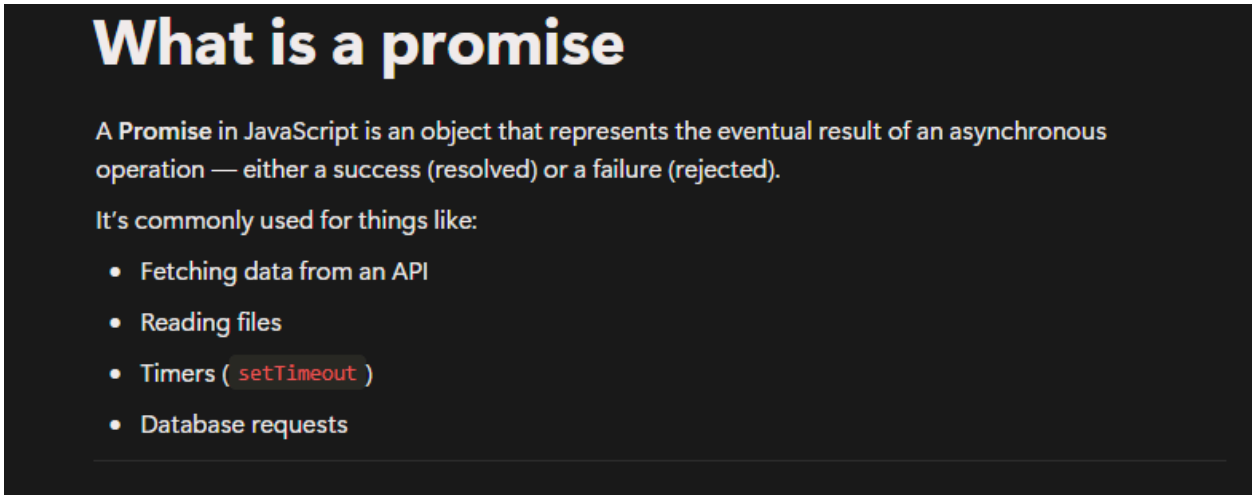
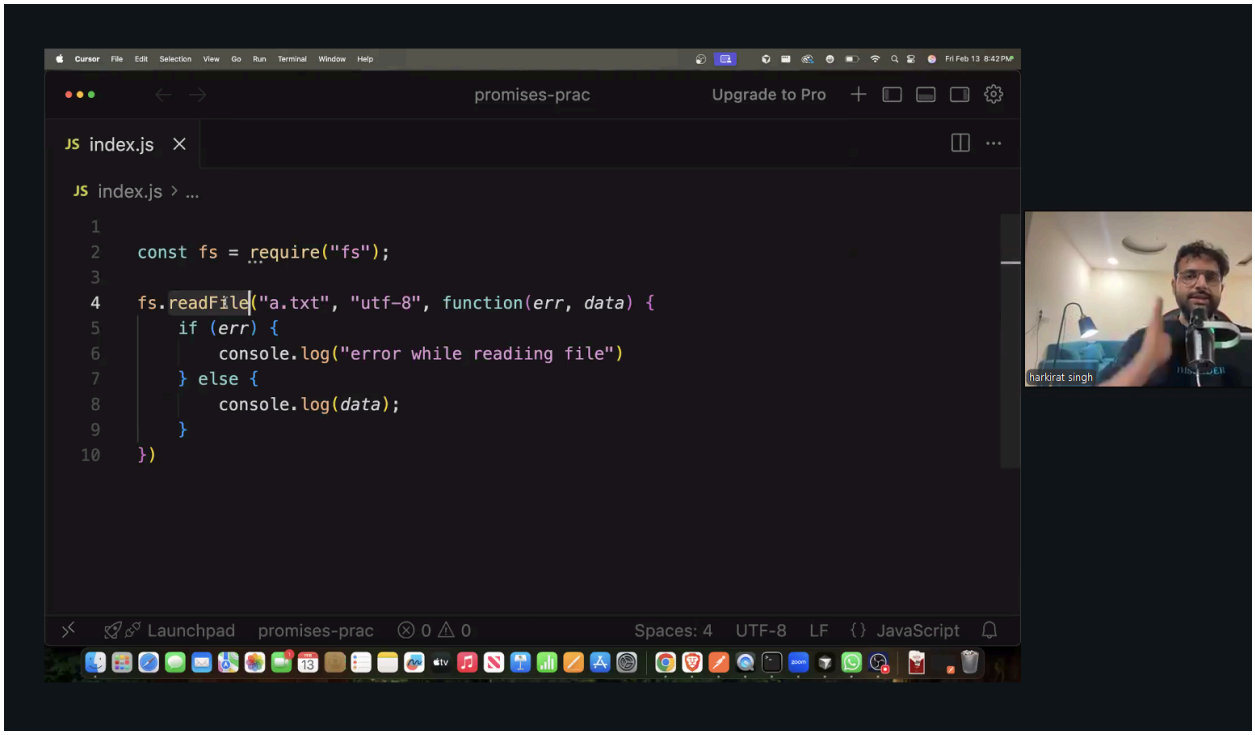
1. What we're doing today



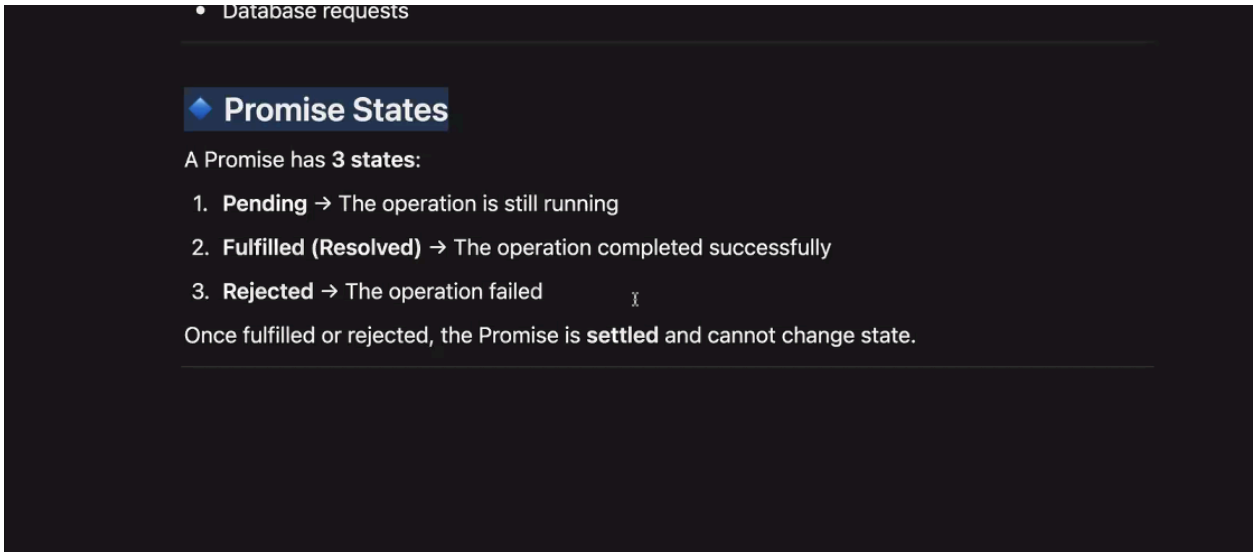
2.



3. Callback function



4. Promise has 3 state



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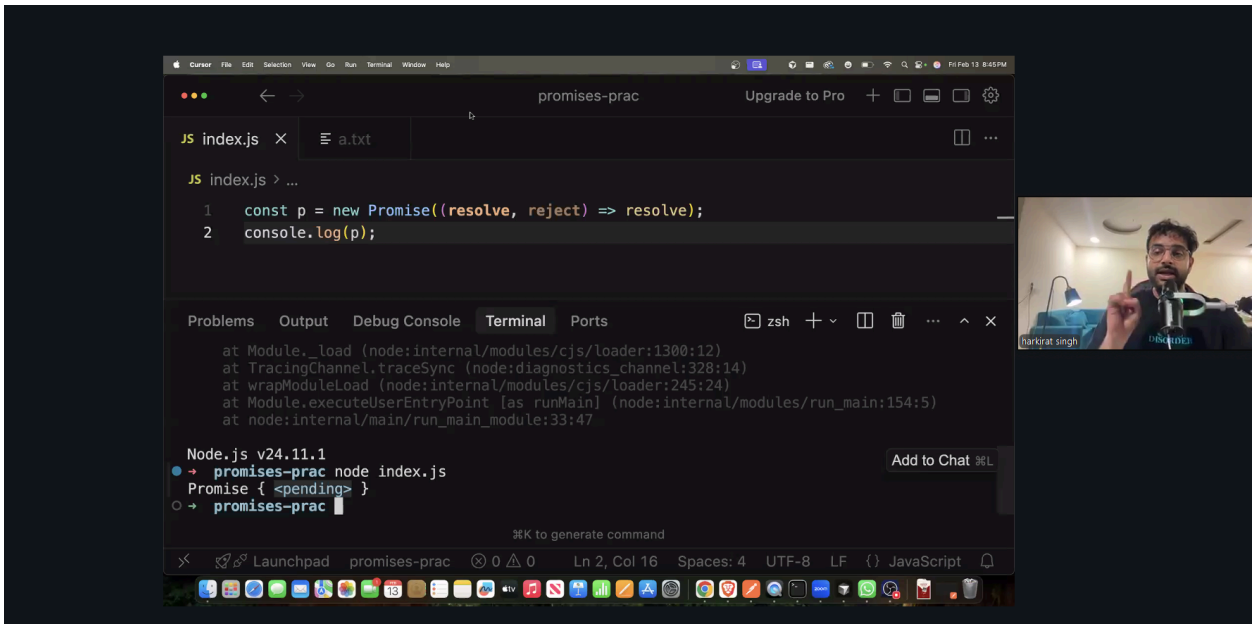
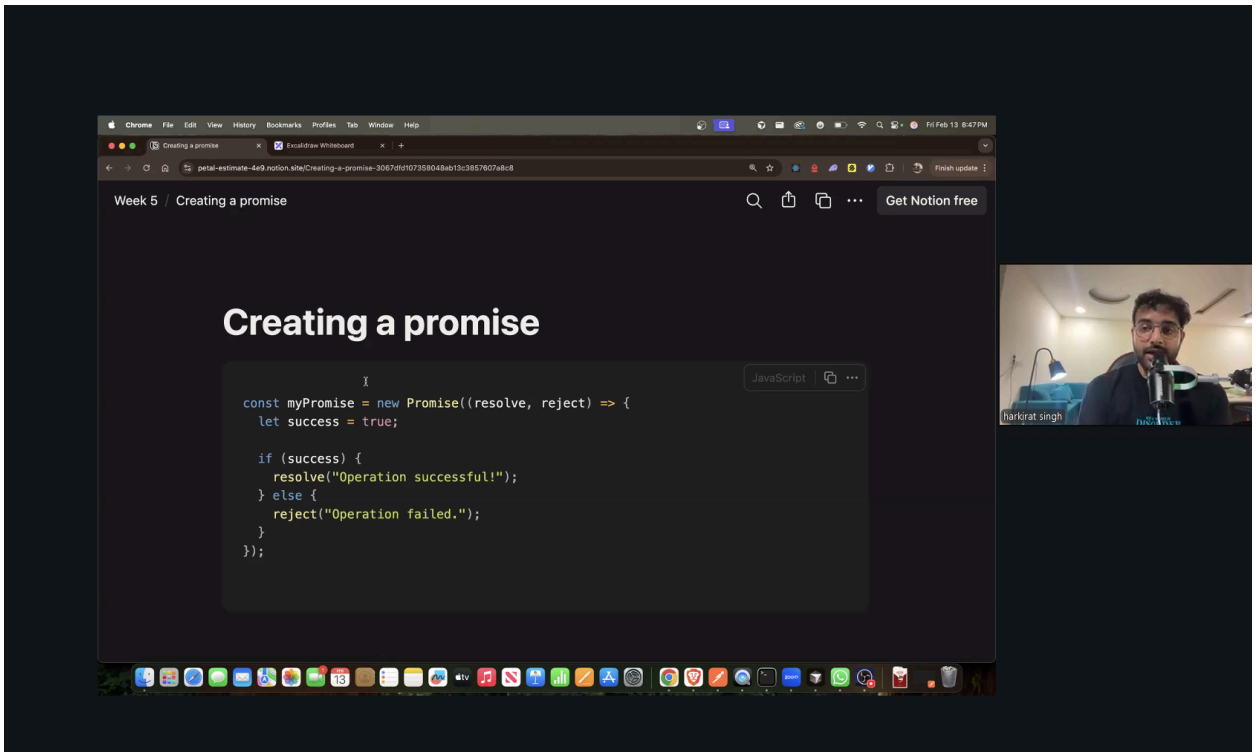
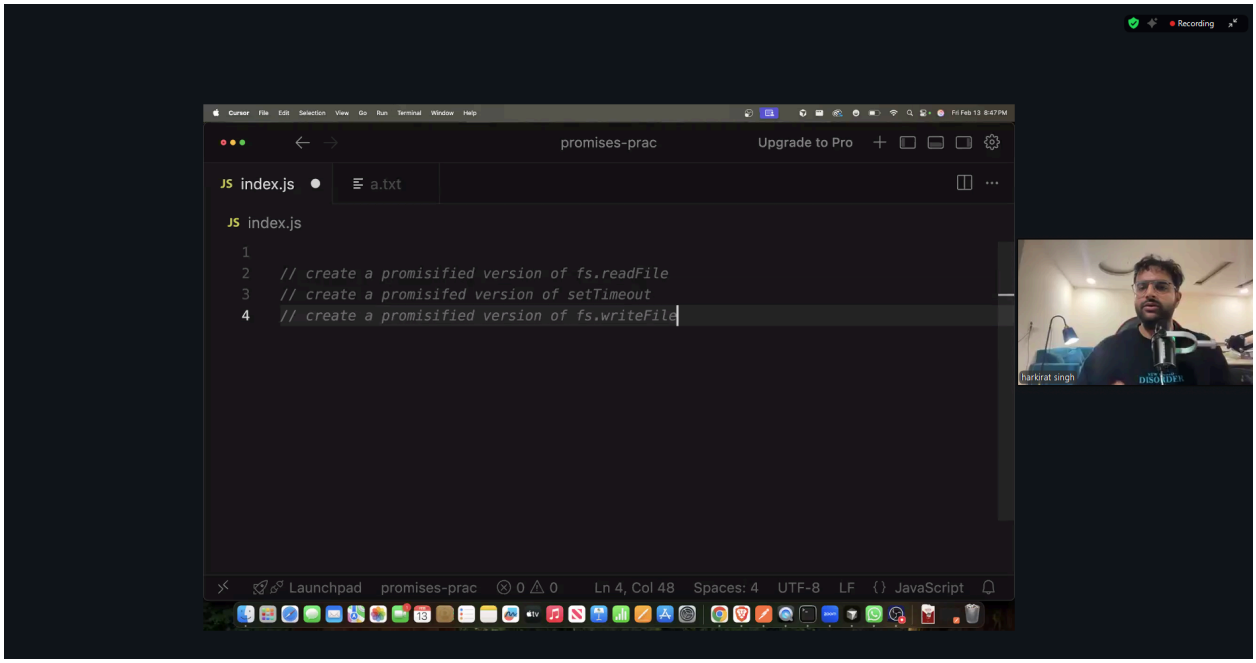
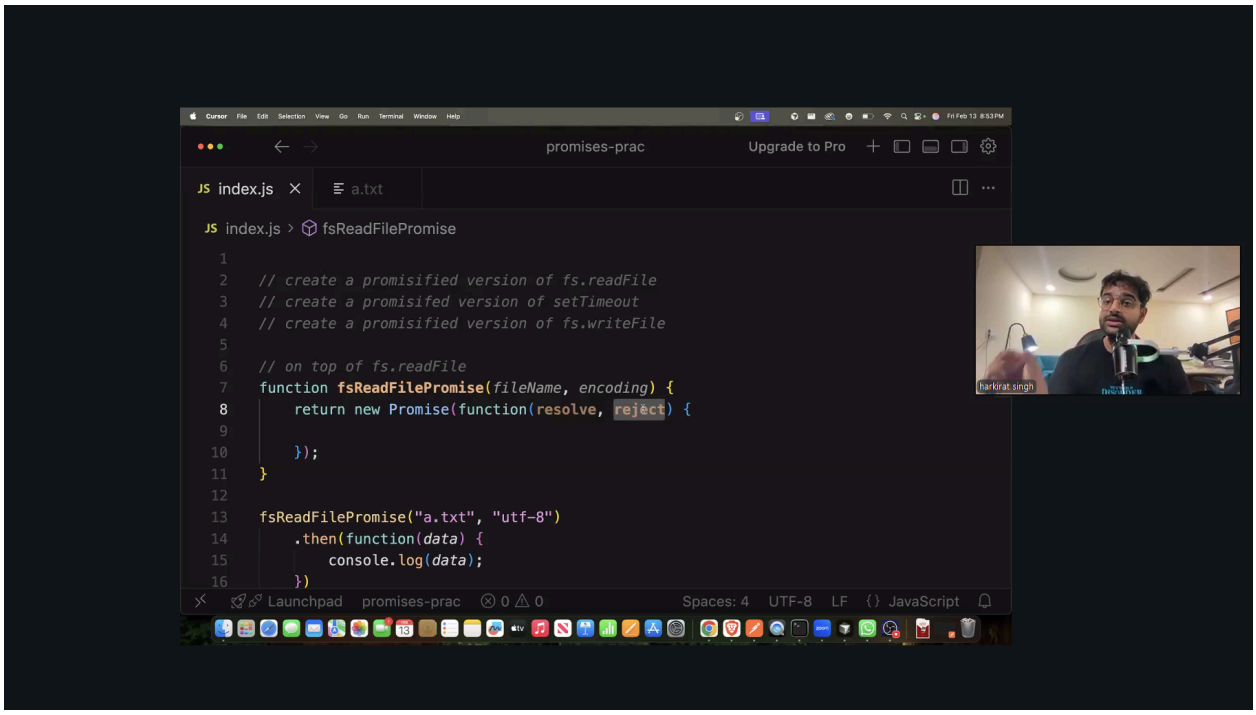


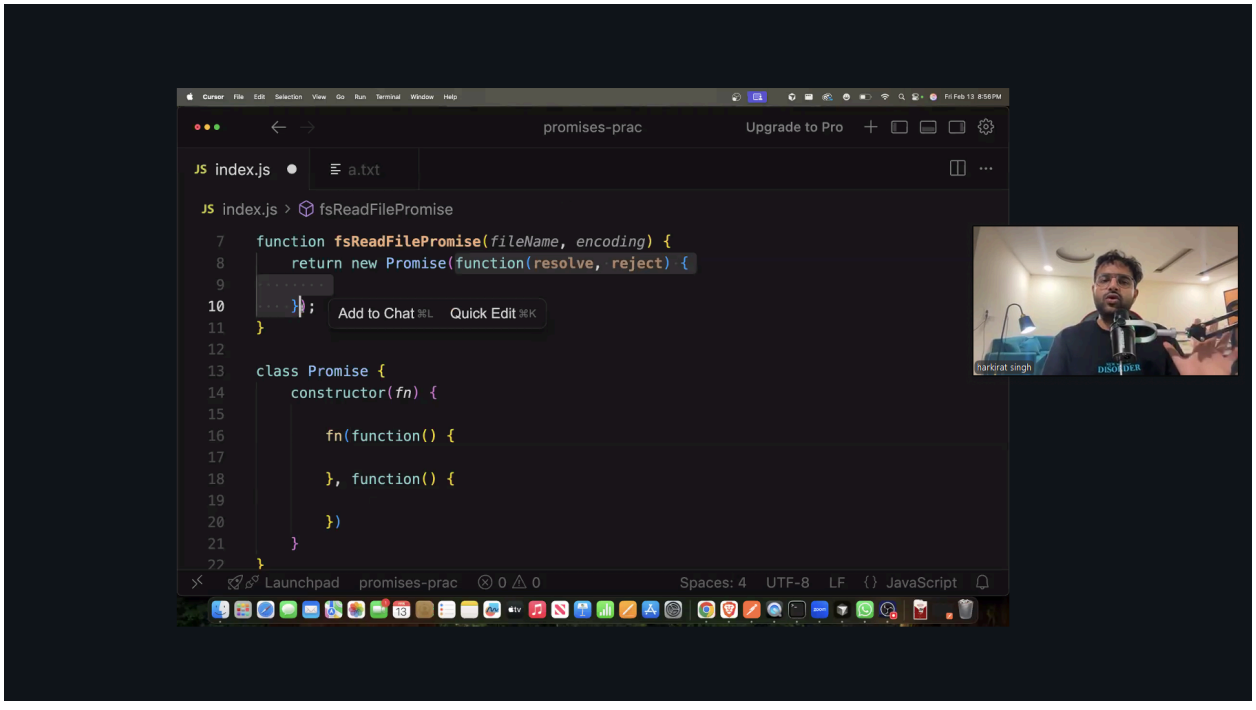
6. Let’s create promise

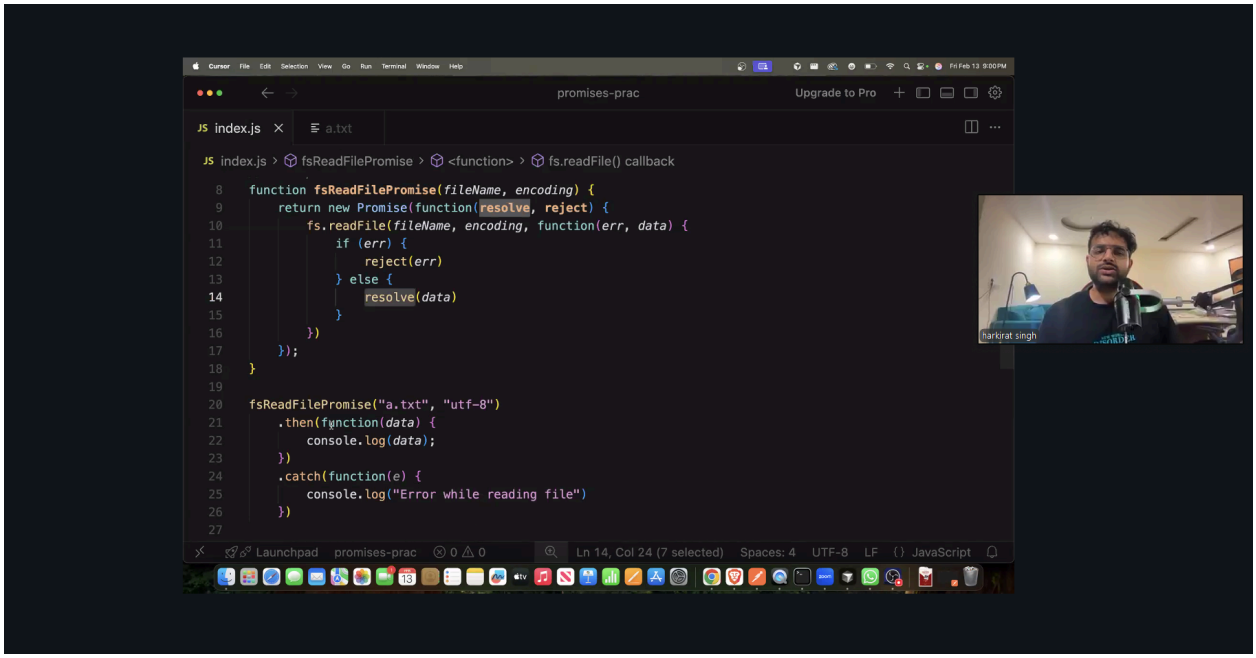




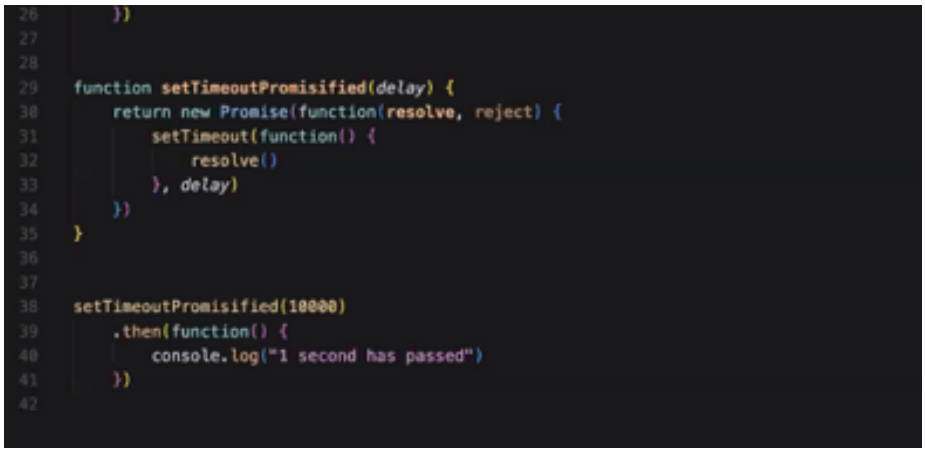
8. Create a promisified version of fs.readfile



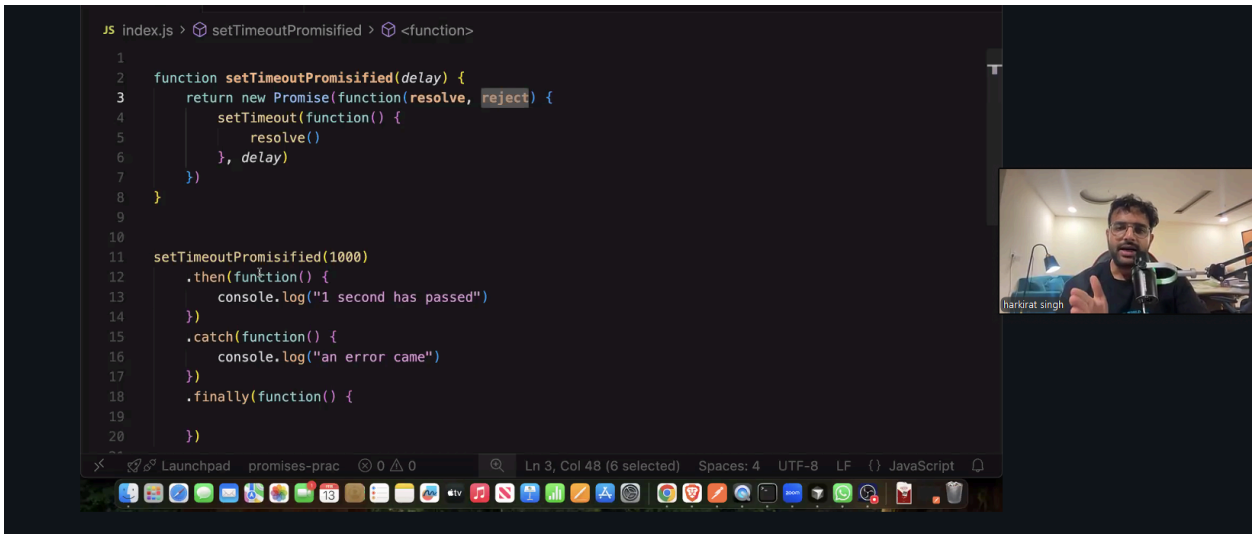




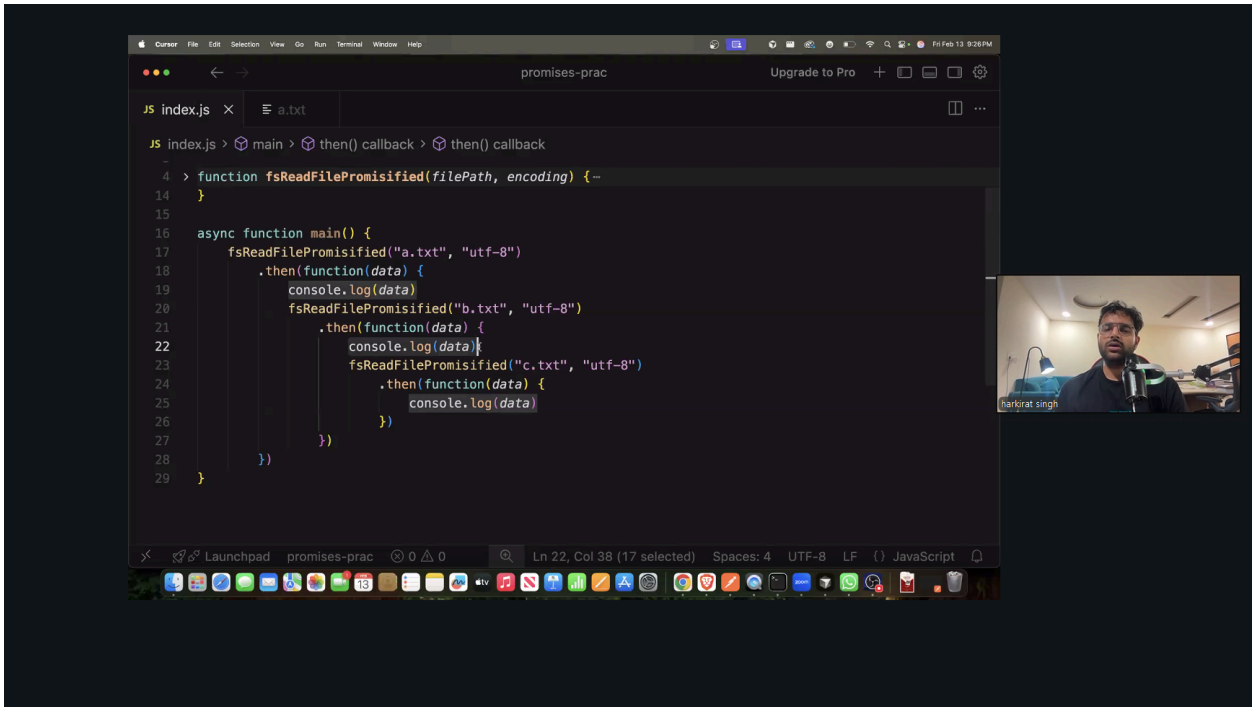
9. Create a promisified version of setTimeout

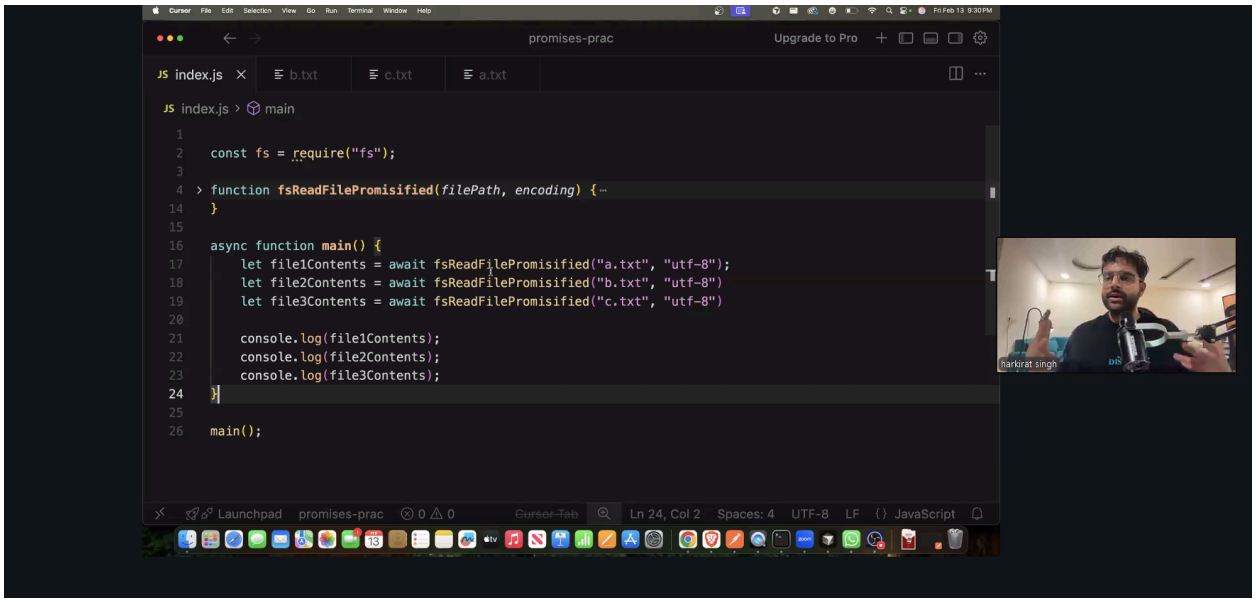


10. finally concept in Promise

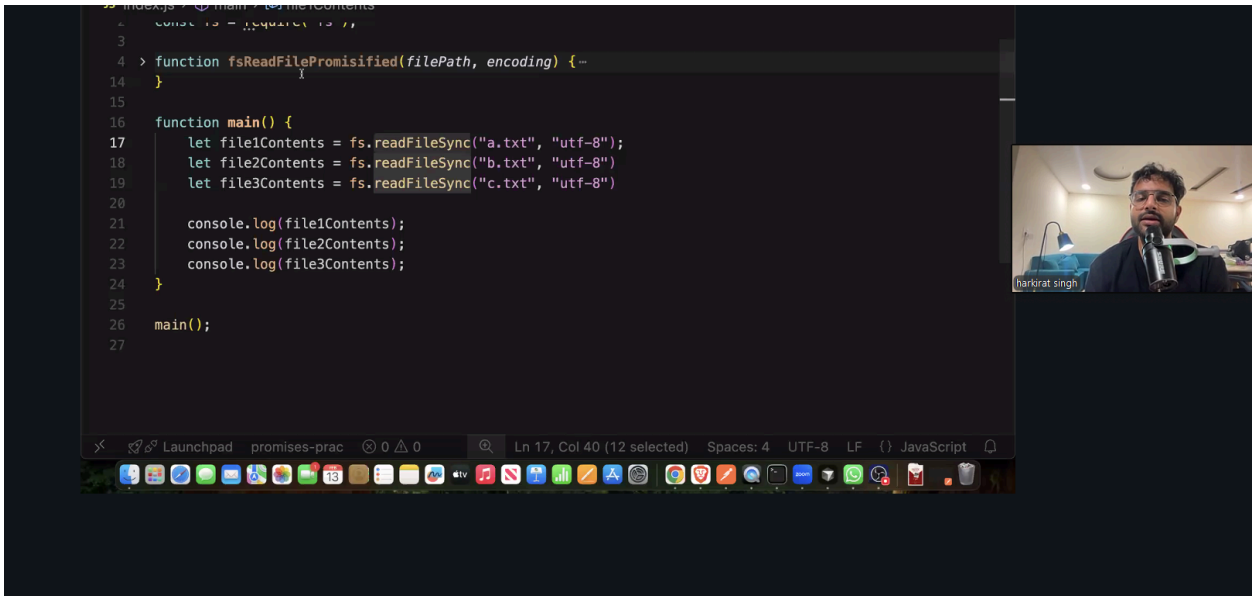


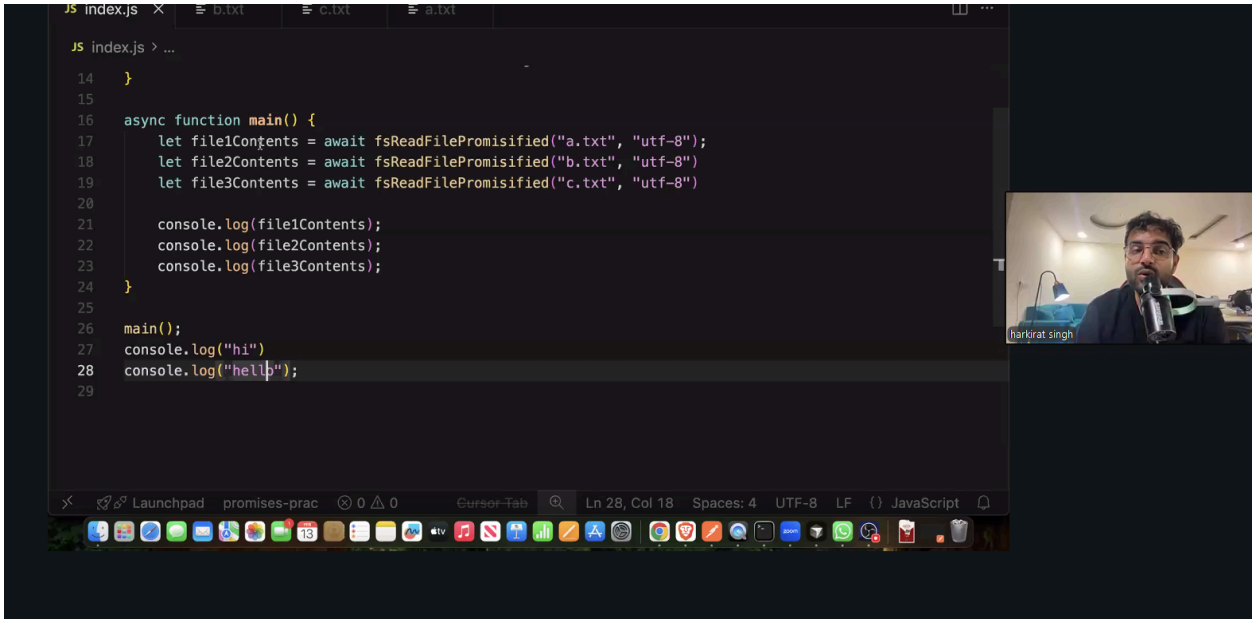
11. Async/Await



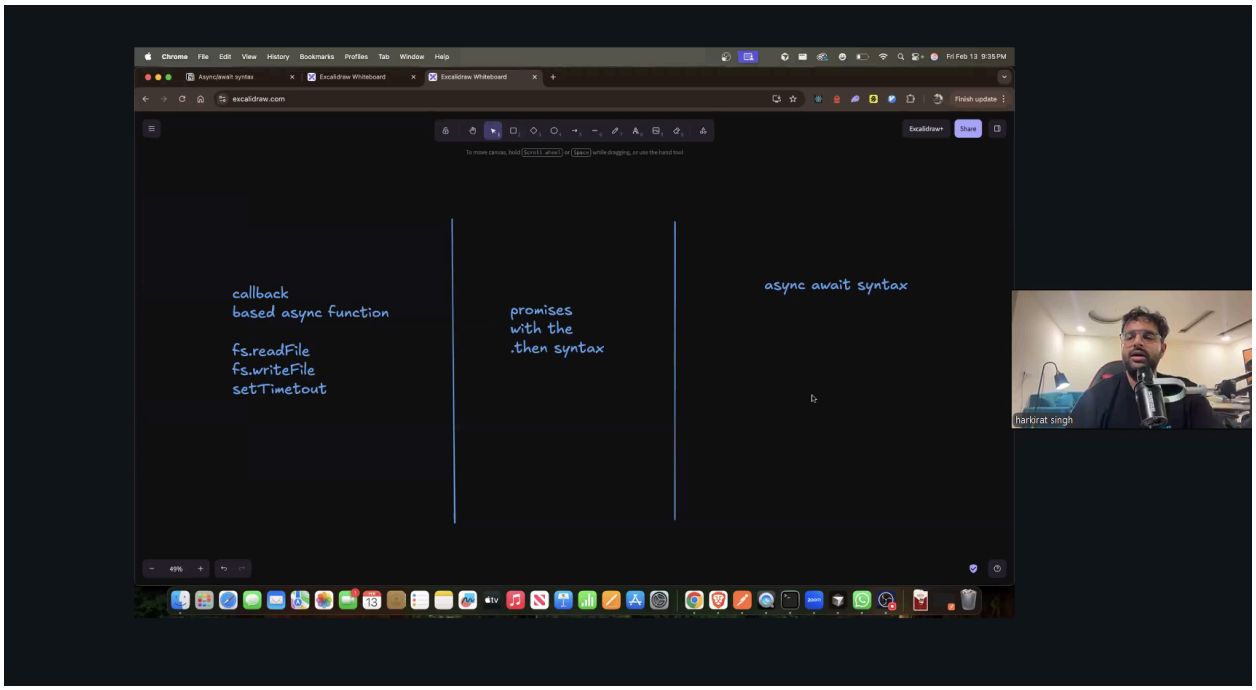

promises-prac
Upgrade to Pro
index.js
b.txt
c.txt
a.txt
index.js > main
const fs = require("fs");
function fsReadFilePromisified(filePath, encoding) {…
}
async function main() {
let file1Contents = await fsReadFilePromisified("a.txt", "utf-8");
let file2Contents = await fsReadFilePromisified("b.txt", "utf-8")
let file3Contents = await fsReadFilePromisified("c.txt", "utf-8")
console.log(file1Contents);
console.log(file2Contents);
console.log(file3Contents);
}
main();
Launchpad
promises-prac
Ln 24, Col 2
Spaces: 4
UTF-8
LF
JavaScript
harkirat singh

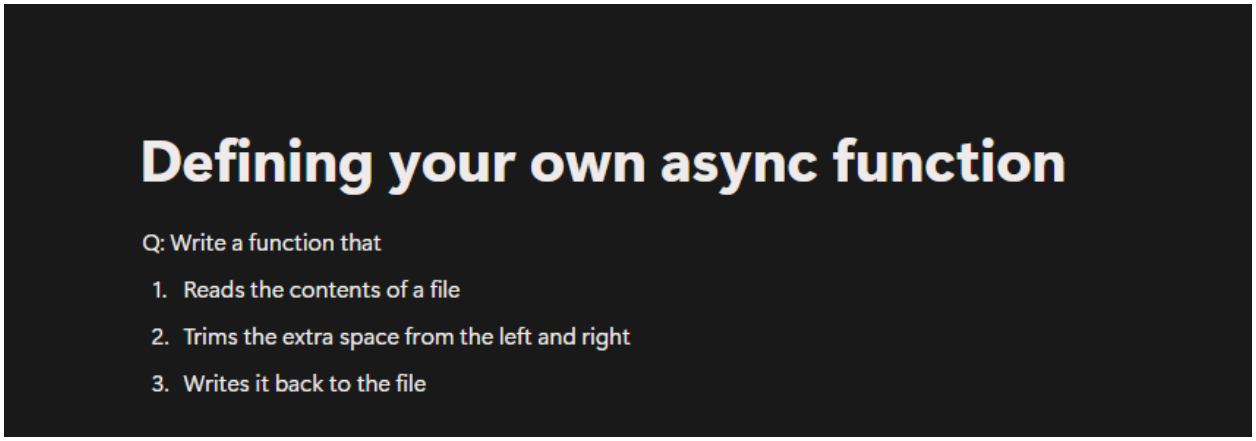
12. Difference between Async and Sync



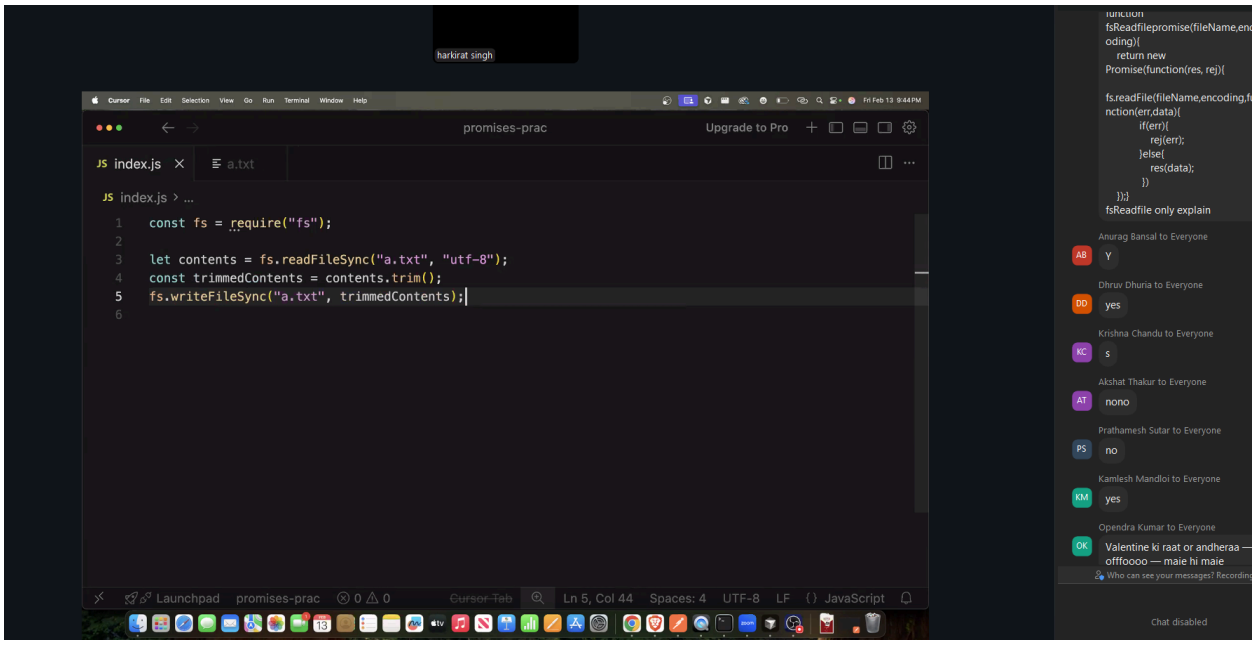


13. Difference between callback, promise, async/await

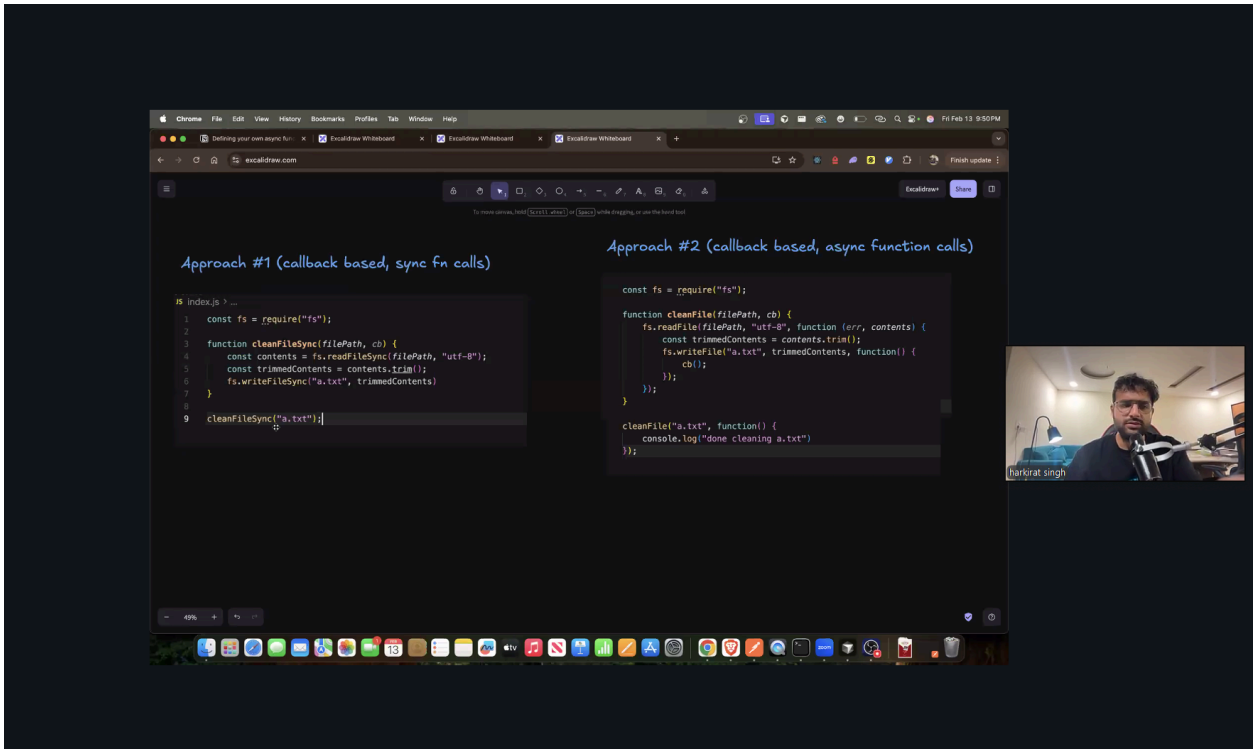




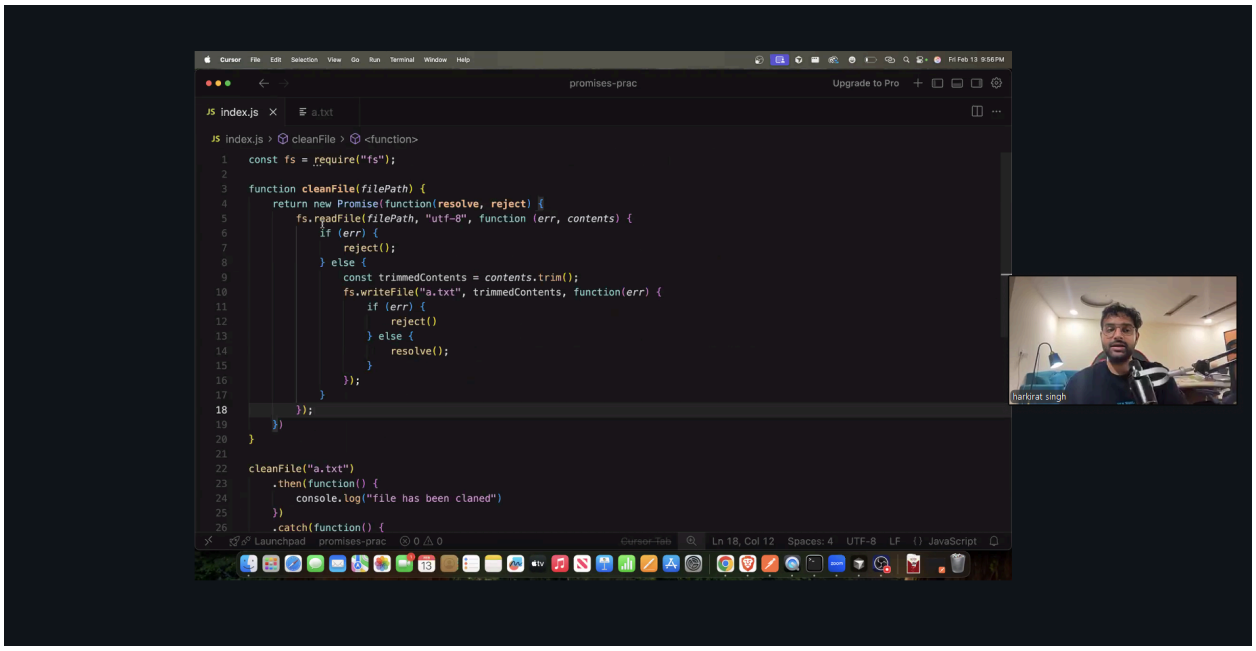
Synchronous



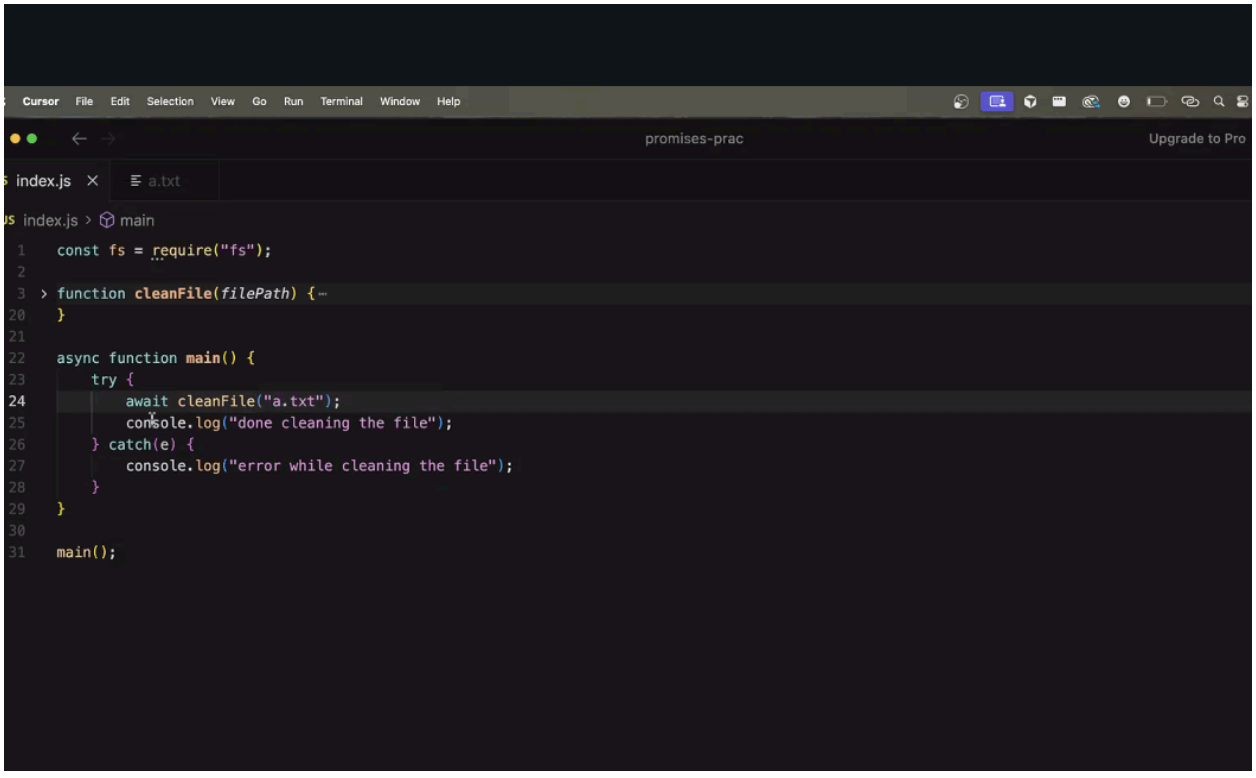
Approach #1(callback based sync function calls)
Approach #2(callback based async function calls)

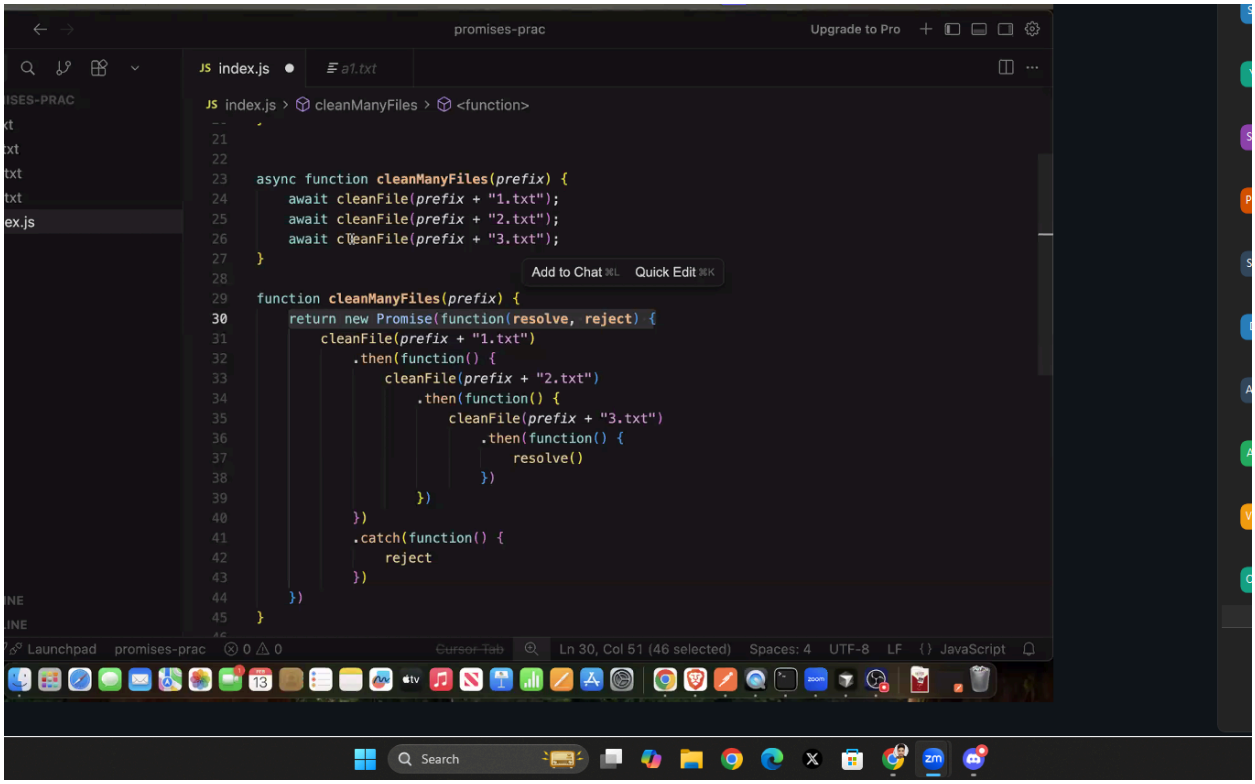


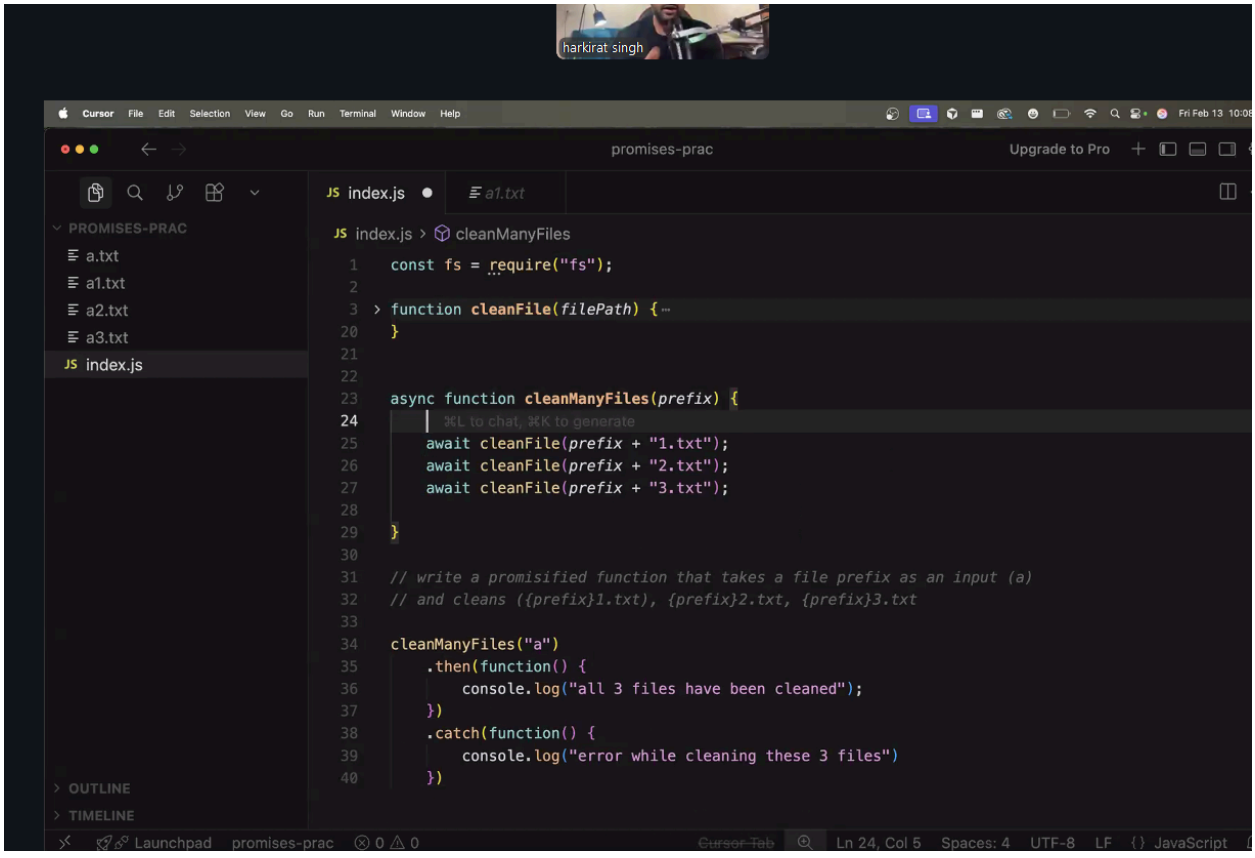
Approach #3(promise based, no async/await)



Approach #4(Async/Await)




promises-prac
Upgrade to Pro
index.js
a1.txt
index.js > cleanManyFiles > <function>
async function cleanManyFiles(prefix) {
await cleanFile(prefix + "1.txt");
await cleanFile(prefix + "2.txt");
await cleanFile(prefix + "3.txt");
}
Add to Chat ⌘L
Quick Edit ⌘K
function cleanManyFiles(prefix) {
return new Promise(function(resolve, reject) {
cleanFile(prefix + "1.txt")
.then(function() {
cleanFile(prefix + "2.txt")
.then(function() {
cleanFile(prefix + "3.txt")
.then(function() {
resolve()
})
})
})
.catch(function() {
reject
})
})
}
Launchpad promises-prac
Ln 30, Col 51 (46 selected)
Spaces: 4
UTF-8
LF
JavaScript
Search


harkirat singh
Cursor File Edit Selection View Go Run Terminal Window Help
promises-prac
Upgrade to Pro
index.js
a1.txt
PROMISES-PRAC
a.txt
a1.txt
a2.txt
a3.txt
index.js
index.js > cleanManyFiles
const fs = require("fs");
function cleanFile(filePath) {
}
async function cleanManyFiles(prefix) {
⌘L to chat, ⌘K to generate
await cleanFile(prefix + "1.txt");
await cleanFile(prefix + "2.txt");
await cleanFile(prefix + "3.txt");
}
// write a promisified function that takes a file prefix as an input (a)
// and cleans ({prefix}1.txt), {prefix}2.txt, {prefix}3.txt
cleanManyFiles("a")
.then(function() {
console.log("all 3 files have been cleaned");
})
.catch(function() {
console.log("error while cleaning these 3 files")
})
OUTLINE
TIMELINE
Launchpad promises-prac
Ln 24, Col 5
Spaces: 4
UTF-8
LF
JavaScript