

MY Github URL

Vercel URL

## Video: W11-P1: Synchronous vs. Asynchronous

=> Synchronous demo

The image shows a development environment with VS Code on the left and a web browser on the right. The VS Code editor displays a file named `app_02.js` with the following JavaScript code:

```
1 function boilWater(time) {
2   console.log('boiling...')
3   for (let i = 0; i < time; i++) {
4     console.log('still not done...')
5   }
6   console.log('done')
7 }
8
9 console.log('chop carrot')
10 boilWater(2000)
11 console.log('add carrot')
12 boilWater(1000)
13 console.log('chop union')
14 boilWater(1000)
15 console.log('add union')
16 boilWater(1000)
17 console.log('all done')
18
```

The browser window shows the title "Asynchronous JavaScript Demo" and a name "李國蘋, 213410102". The browser's developer tools are open, showing the console with the following log messages:

- chop carrot (app\_02.js:9)
- boiling... (app\_02.js:2)
- 2000 still not done... (app\_02.js:4)
- done (app\_02.js:6)
- add carrot (app\_02.js:11)
- boiling... (app\_02.js:2)
- 1000 still not done... (app\_02.js:4)
- done (app\_02.js:6)
- chop union (app\_02.js:13)
- boiling... (app\_02.js:2)
- 1000 still not done... (app\_02.js:4)
- done (app\_02.js:6)
- add union (app\_02.js:15)
- boiling... (app\_02.js:2)
- 1000 still not done... (app\_02.js:4)
- done (app\_02.js:6)
- all done (app\_02.js:17)

=> Asynchronous demo

1132-1N-DEMO-02

demo

w10\_product\_supa\_02

css

# product\_02.css

images

js

JS clientSupabase\_02.js

product\_02.sql

JS product\_supa\_02.js

JS products\_data\_02.js

product\_supa\_02.html M

w11\_async\_js\_02

1-recipe-example

JS app\_02.js U

index.html U

2-asunc-cb-hell

JS app\_02.js U

index.html U

examples

js

scss

webfonts

.gitignore

index.html

package-lock.json

OUTLINE

TIMELINE

note.txt

JS app\_02.js U

app\_02.js

boilWater > setTimeout() callback > setTimeout() callback

1 function boilWater(time) {  
2 console.log('boiling...')  
3 setTimeout(() => {  
4 console.log('add carrot')  
5 console.log('boiling...')  
6 setTimeout(() => {  
7 console.log('done')  
8 console.log('chop union')  
9 console.log('boiling...')  
10 setTimeout(() => {  
11 console.log('done')  
12 console.log('add union')  
13 console.log('boiling...')  
14 setTimeout(() => {  
15 console.log('done')  
16 console.log('all done')  
17 }, 1000)  
18 }, 1000)  
19 }, time)  
20 console.log('done')  
21 }  
22  
23 console.log('chop carrot')  
24 boilWater(2000)  
25  
26 // function boilWater(time) {  
27 // console.log('boiling...')  
28 // for (let i = 0; i < time; i++) {  
29 // console.log('still not done...')  
30 // }  
31 // console.log('done')  
32 // }  
33  
34

Async JS Demo

127.0.0.1:5500/demo/w11...

Asynchronous JavaScript Demo

李國彥, 213410102

DevTools is now available in Chinese

Don't show again Always match Chrome's language Switch DevTools to Chinese

Elements Console Sources Network Performance >> Settings

top Filter Default levels No Issues

chop carrot app\_02.js:25

boiling... app\_02.js:2

done app\_02.js:22

add carrot app\_02.js:4

boiling... app\_02.js:5

done app\_02.js:7

chop union app\_02.js:8

boiling... app\_02.js:9

done app\_02.js:11

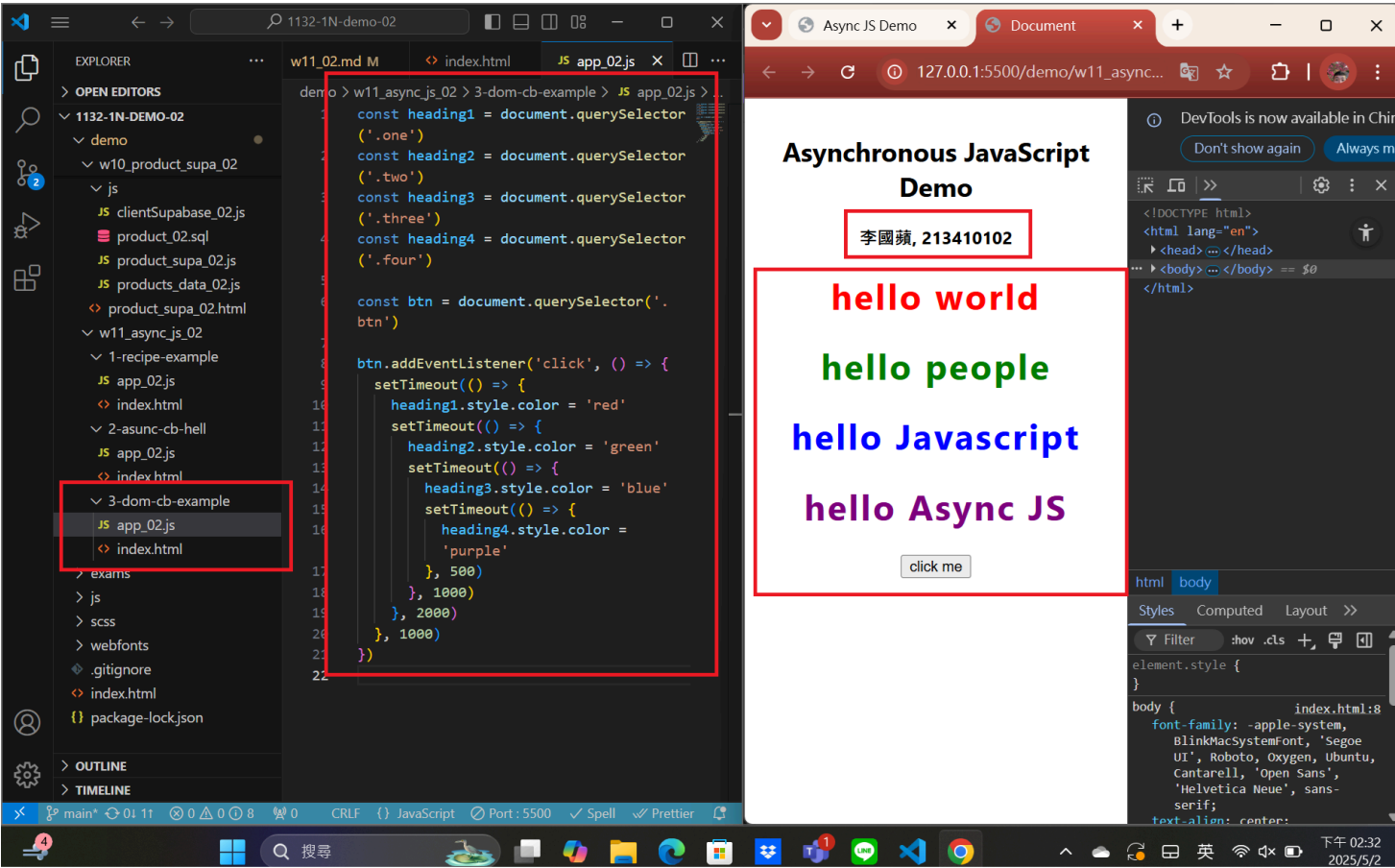
add union app\_02.js:12

boiling... app\_02.js:13

done app\_02.js:15

all done app\_02.js:16

# Video: W11-P2: Asynchronous DOM demo



2108fd4 apple550678

Fri May 2 14:31:09 2025 +0800

Video: W11-P1: Synchronous vs. Asynchron

# Video: W11-P3: Use Promise to do W11-P2

File Edit Selection ... 1132-1N-demo-02

demo > w11\_async\_js\_02 > 3-dom-cb-example > JS app\_02.js

```
1 const heading1 = document.  
  querySelector('.one')  
2  
3 const heading2 = document.  
  querySelector('.two')  
4  
5 const heading3 = document.  
  querySelector('.three')  
6  
7 const heading4 = document.  
  querySelector('.four')  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22
```

demo > w11\_async\_js\_02 > 4-dom-promise > JS app\_02.js

```
6 const btn = document.  
  querySelector('.btn')  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25  
26  
27  
28  
29  
30  
31  
32  
33  
34
```

Async | Docu | D x

127.0.0.1:5500/de...

hello world  
hello people  
hello Javascript  
hello Async JS  
click me

2108fd4 apple550678

Fri May 2 14:31:09 2025 +0800

Video: W11-P1: Synchronous vs. Asynchron

## Video: W11-P4: Use Async Await to do W11-P3

The image shows a VS Code editor with two JavaScript files open. The left file, `app_02.js`, contains a button click event listener that calls a series of `addColor` functions. The right file, `app_02.js`, contains an `async displayColor` function that uses `await` to call the same series of `addColor` functions. A browser window on the right shows the output of the demo.

```
const addColor = (time, element, color) => {
  return new Promise((resolve, reject) => {
    setTimeout(() => {
      element.style.color = color
      resolve()
    }, time)
  })
}

const displayColor = async () => {
  try {
    await addColor(1000, heading1, 'red')
    await addColor(2000, heading2, 'green')
    await addColor(1000, heading3, 'blue')
    await addColor(500, heading4, 'purple')
  } catch (error) {
    console.log(error)
  }
}

btn.addEventListener('click', () => {
  addColor(1000, heading1, 'red')
  .then(() => {
    return addColor(2000, heading2, 'green')
  })
  .then(() => {
    return addColor(1000, heading3, 'blue')
  })
  .then(() => {
    return addColor(500, heading4, 'purple')
  })
  .catch((error) => console.log('error', error))
})
```

Asynchronous JavaScript Demo

李國蘋, 213410102

hello world

hello people

hello Javascript

hello Async JS

click me

2108fd4 apple550678

Fri May 2 14:31:09 2025 +0800

Video: W11-P1: Synchronous vs. Asynchron

# Video: W11-P5: Change Github repo name, and Vercel URL

=> Github

The screenshot shows a web browser window displaying a GitHub repository page. The browser's address bar shows the URL `https://github.com/apple550678/1132-1N-demo-apple-02`. The repository name `1132-1N-demo-apple-02` is highlighted with a red box. Below the repository name, the file list shows various folders and files, including `css`, `demo`, `exams`, `js`, `scss`, `webfonts`, `.gitignore`, `index.html`, and `package-lock.json`. On the right side, the 'About' section is highlighted with a red box, showing the Vercel deployment link `1132-1-n-demo-apple-02.vercel.app`. The page also includes a search bar, navigation tabs (Code, Issues, Pull requests, Actions, Projects, Wiki, Security, Insights, Settings), and a sidebar with repository statistics (Stars, Forks, Watchers).

apple550678 / 1132-1N-demo-apple-02

1132-1N-demo-apple-02

main 1 Branch 0 Tags

apple550678 w10 38 Commits

File/Folder	Commit Message	Time Ago
css	megamenu-3/29-213410102	2 months ago
demo	w10	5 days ago
exams	111	2 weeks ago
js	111	2 weeks ago
scss	megamenu-3/29-213410102	2 months ago
webfonts	megamenu-3/29-213410102	2 months ago
.gitignore	Video: W05-P1: Use Tailwindcss CLI to show tailwind css with...	2 months ago
index.html	111	2 weeks ago
package-lock.json	Video: W06-P2: Show tours from tours_xx array in p5_xx	2 months ago

About

1132-1-n-demo-apple-02.vercel.app

=> Vercel

