

## W4-P1: Server: implement GET /api/tasks

The screenshot shows a code editor with two files: `data.js` and `server_31.js`. In `data.js`, a `taskList` array is defined with four task objects. In `server_31.js`, an Express server is set up to listen on port 5000, and a GET route for `/api/tasks` is implemented to return the `taskList` as JSON. To the right, a web browser window shows the response to a GET request at `localhost:5000/api/tasks`, which is a JSON array of the four tasks.

```

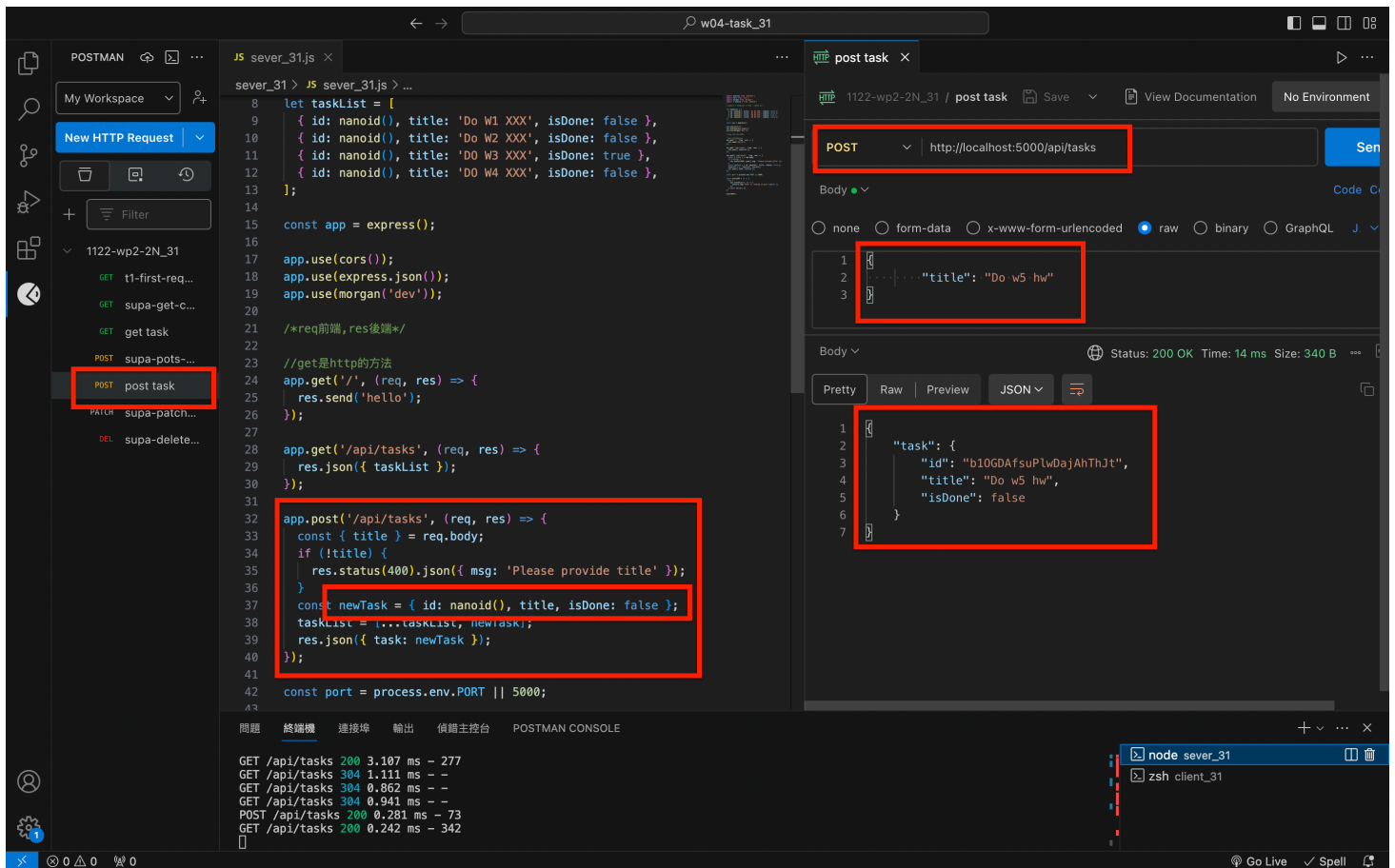
// data.js
1 // "npm nanoid" 套件用法 " {}"
2 import { nanoid } from 'nanoid';
3
4
5 export const taskList = [
6   { id: nanoid(), title: 'Do W1 XXX' },
7   { id: nanoid(), title: 'Do W2 XXX' },
8   { id: nanoid(), title: 'Do W3 XXX' },
9   { id: nanoid(), title: 'Do W4 XXX' },
10 ];
11

// server_31.js
1 import express from 'express';
2
3 import { taskList } from './data.js';
4
5 const app = express();
6
7 // get 是 http 的方法
8 app.get('/', (req, res) => {
9   res.send('hello');
10 });
11
12 app.get('/api/tasks', (req, res) => {
13   res.json(taskList);
14 });
15
16 const port = process.env.PORT || 5000;
17
18 const startAPP = () => {
19   try {
20     app.listen(port, () => {
21       console.log('Server is running on p');
22     });
23   } catch (error) {}
24 }
25
26 startAPP();
27

// browser console
1 // 20240313185703
2 // http://localhost:5000/api/tasks
3
4 {
5   "taskList": [
6     {
7       "id": "Hw335ZAmxo3qih0Ig3SL4",
8       "title": "Do W1 XXX",
9       "isDone": false
10     },
11     {
12       "id": "Cw9_-iwa6NExesK4ngpuQ",
13       "title": "Do W2 XXX",
14       "isDone": false
15     },
16     {
17       "id": "MBdihkS9AX_i0JyMq7rGB",
18       "title": "Do W3 XXX",
19       "isDone": true
20     },
21     {
22       "id": "tYx7K7IxxvG9Fhl6-y5NxH",
23       "title": "Do W4 XXX",
24       "isDone": false
25     }
26   ]
27 }
  
```

29edc45 000G00 Wed Mar 13 19:10:10 2024 +0800 ### W4-P1: Server: implement GET /api/t

## W4-P2: Server: implement POST /api/tasks



7f7e721 000G00 Wed Mar 13 21:06:07 2024 +0800 ### W4-P2: Server: implement POST /api/

## W4: Git log of W4

```
git log --pretty=format:"%h%x09%an%x09%ad%x09%s" --after="2024-03-10"
```

7f7e721 000G00 Wed Mar 13 21:06:07 2024 +0800 ### W4-P2: Server: implement POST /api/

29edc45 000G00 Wed Mar 13 19:10:10 2024 +0800 ### W4-P1: Server: implement GET /api/t