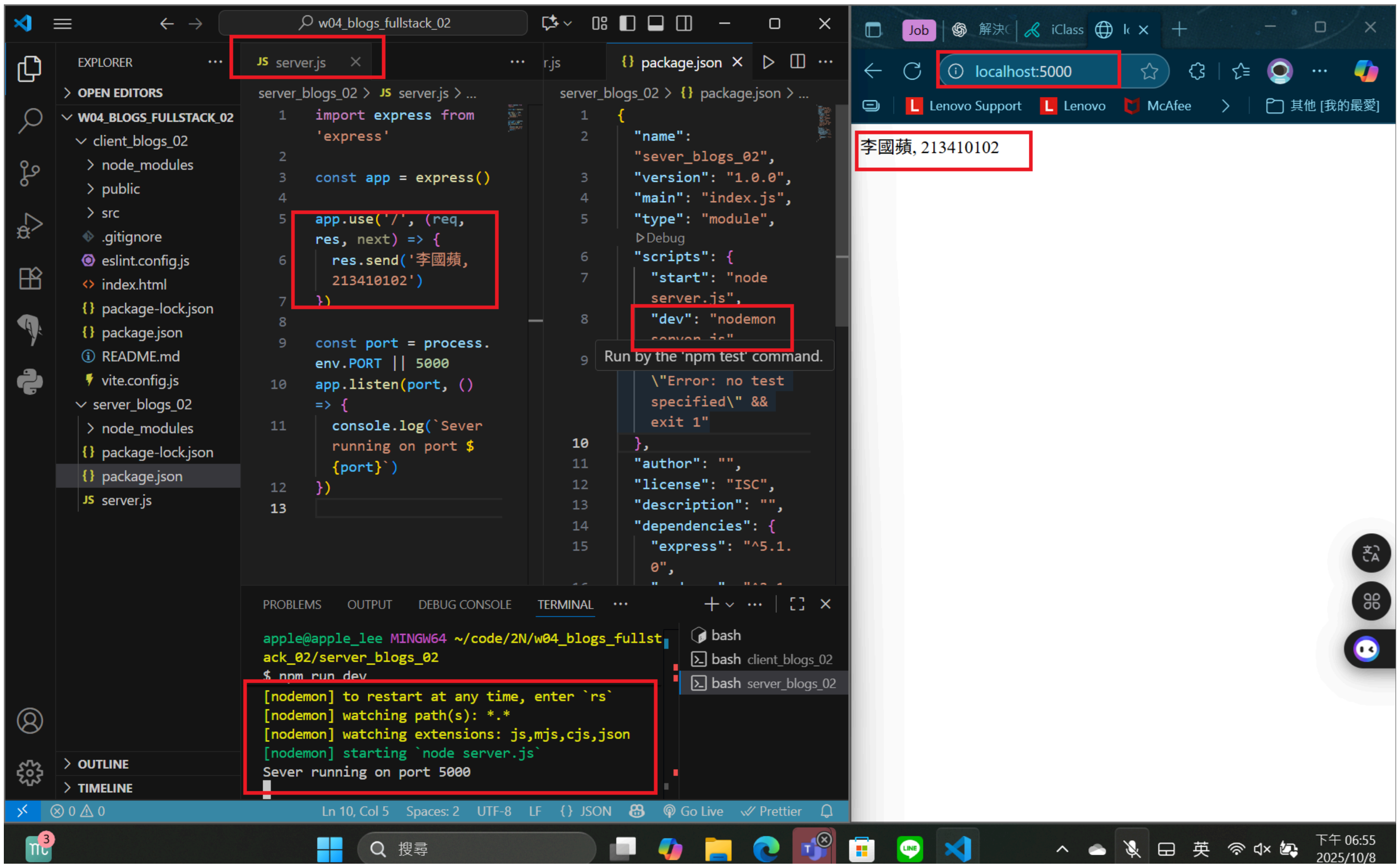
Github URL

Video: W04-P1: Create a express Web server to show your info



```
import express from 'express'

const app = express()

app.use('/', (req, res, next) => {
  res.send('李國蘋, 213410102')
})

const port = process.env.PORT || 5000
app.listen(port, () => {
  console.log(`Sever running on port ${port}`)
})
```

```
{
  "name": "sever_blogs_02",
  "version": "1.0.0",
  "main": "index.js",
  "type": "module",
  "scripts": {
    "start": "node server.js",
    "dev": "nodemon server.js",
    \"Error: no test specified\" && exit 1"
  },
  "author": "",
  "license": "ISC",
  "description": "",
  "dependencies": {
    "express": "^5.1.0",
```

```
apple@apple_lee MINGW64 ~/code/2N/w04_blogs_fullstack_02/server_blogs_02
$ npm run dev
[nodemon] to restart at any time, enter `rs`
[nodemon] watching path(s): *.*
[nodemon] watching extensions: js,mjs,cjs,json
[nodemon] starting `node server.js`
Sever running on port 5000
```

localhost:5000

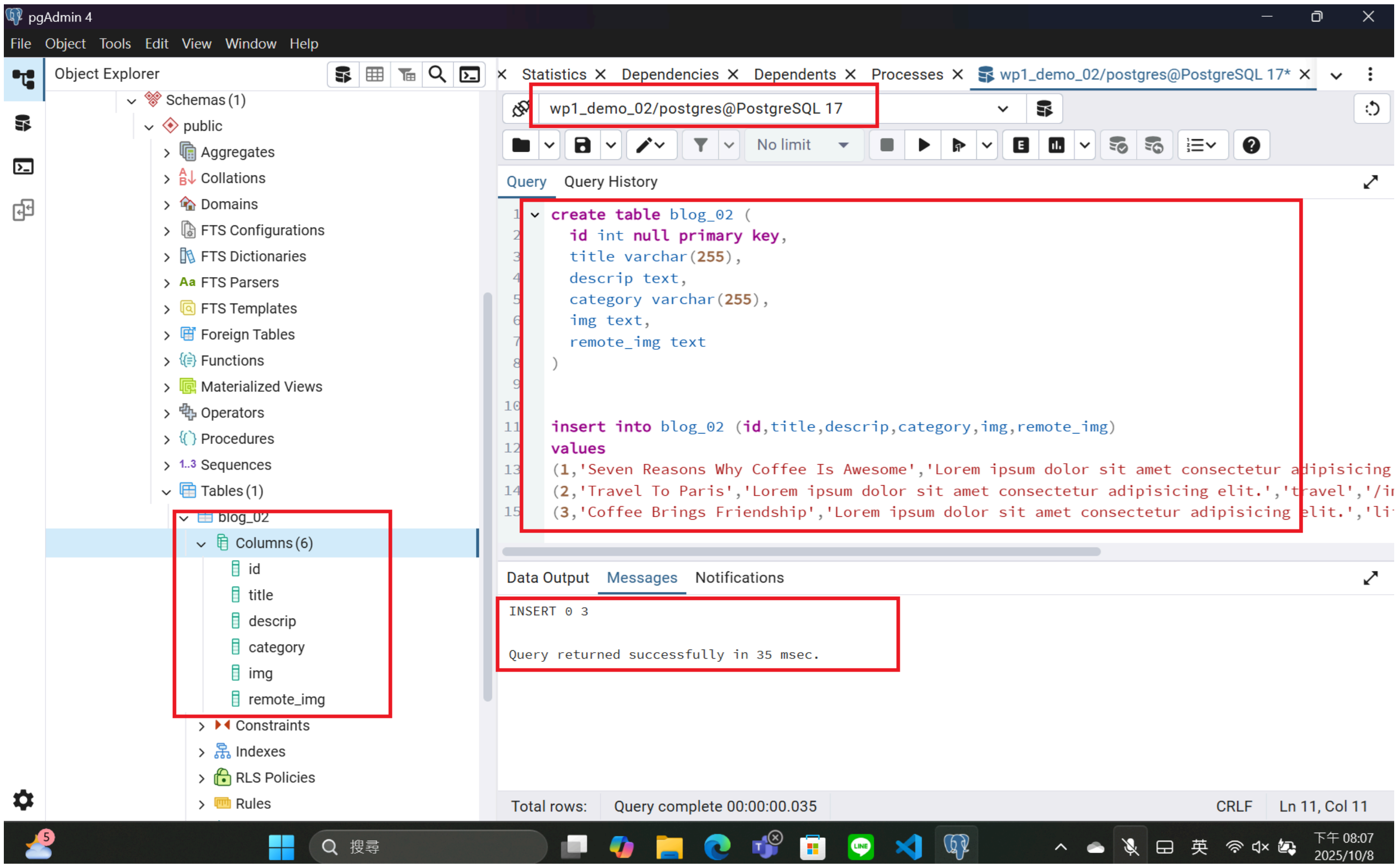
李國蘋, 213410102

Run by the 'npm test' command.
Ln 10, Col 5   Spaces: 2   UTF-8   LF   {} JSON   Go Live   Prettier
下午 06:55
2025/10/8

```
f6a81c2 apple550678      Wed Oct 8 18:59:40 2025 +0800    Video: W04-P1: Create a express Web serv
```

Video: W04-P2: Create blog_xx table with 3 data, implement route /api/blog_xx to return a json array with 3 data

=> SQL to create blog_xx table and 3 data



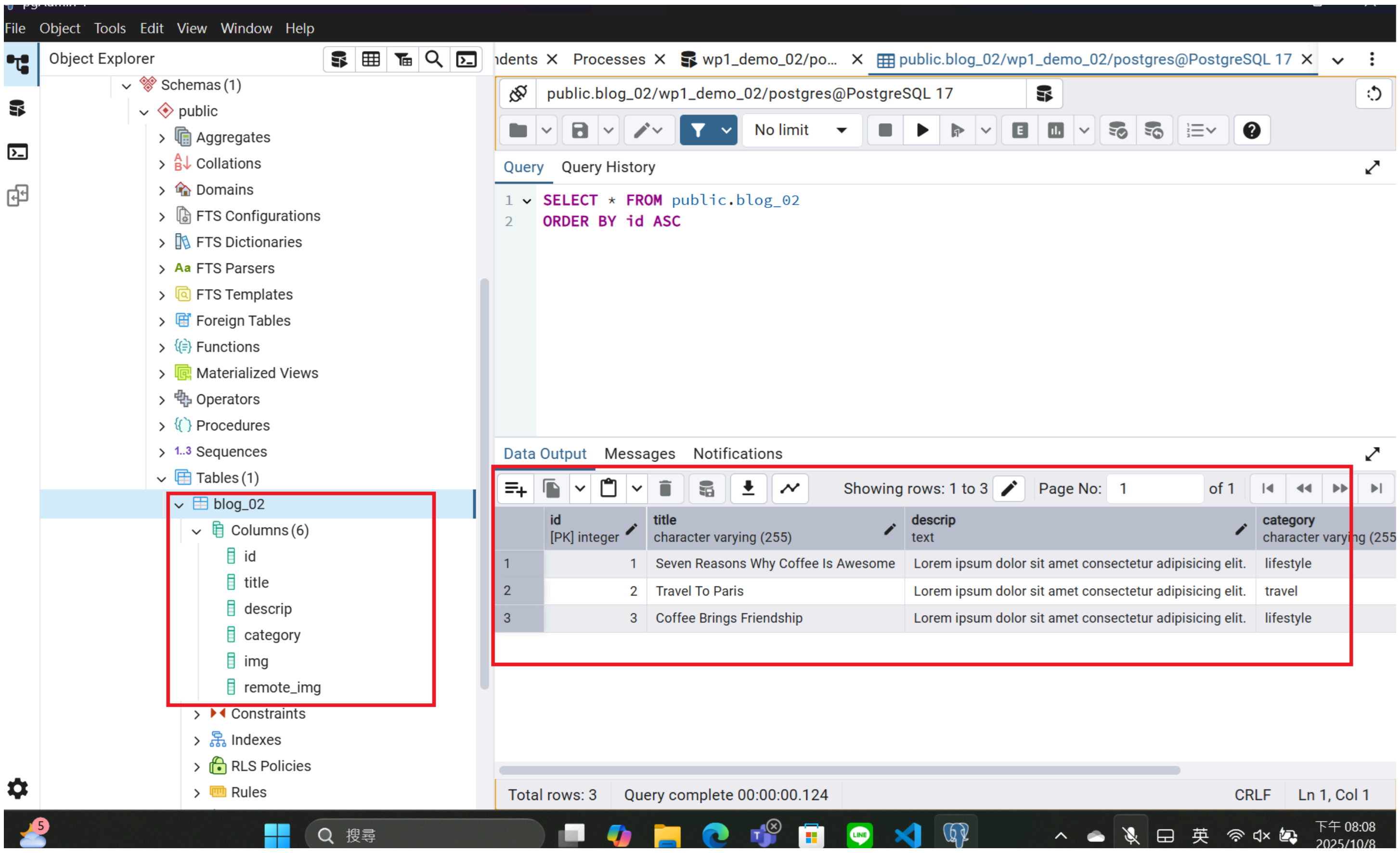
wp1_demo_02/postgres@PostgreSQL 17

```
create table blog_02 (
  id int null primary key,
  title varchar(255),
  descrip text,
  category varchar(255),
  img text,
  remote_img text
)


insert into blog_02 (id,title,descrip,category,img,remote_img)
values
(1,'Seven Reasons Why Coffee Is Awesome','Lorem ipsum dolor sit amet consectetur adipisicing
(2,'Travel To Paris','Lorem ipsum dolor sit amet consectetur adipisicing elit.','travel','/i
(3,'Coffee Brings Friendship','Lorem ipsum dolor sit amet consectetur adipisicing elit.','li
```

```
INSERT 0 3

Query returned successfully in 35 msec.
```

Total rows: Query complete 00:00:00.035

=> show 3 data



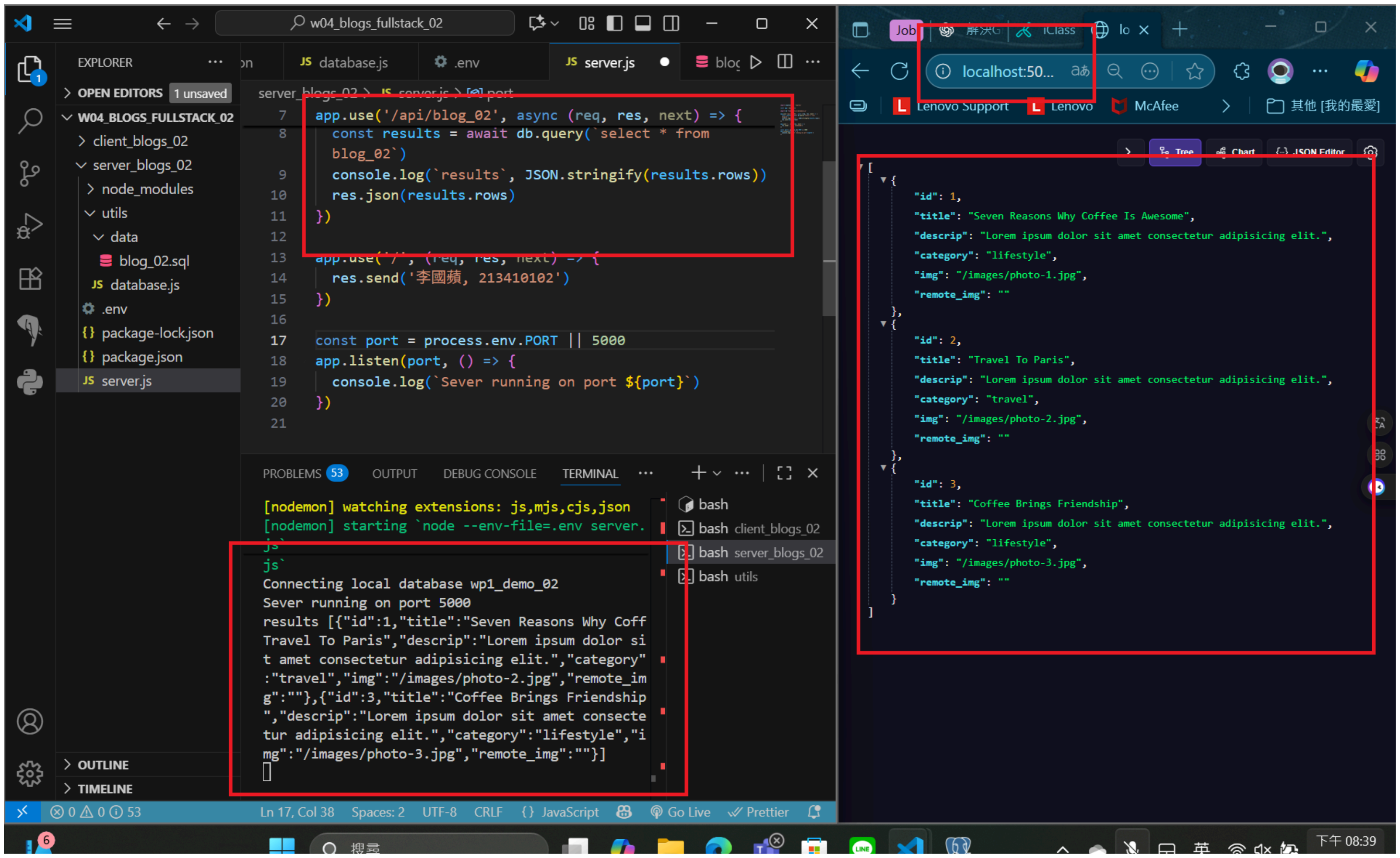
```sql
SELECT * FROM public.blog_02
ORDER BY id ASC
```

Showing rows: 1 to 3   Page No: 1 of 1

	id [PK] integer	title character varying (255)	descrip text	category character varying (255
1	1	Seven Reasons Why Coffee Is Awesome	Lorem ipsum dolor sit amet consectetur adipisicing elit.	lifestyle
2	2	Travel To Paris	Lorem ipsum dolor sit amet consectetur adipisicing elit.	travel
3	3	Coffee Brings Friendship	Lorem ipsum dolor sit amet consectetur adipisicing elit.	lifestyle

Total rows: 3   Query complete 00:00:00.124

=> implement route /api/blog_xx



```javascript
app.use('/api/blog_02', async (req, res, next) => {
  const results = await db.query(`select * from
  blog_02`)
  console.log(`results`, JSON.stringify(results.rows))
  res.json(results.rows)
})

app.use('/', (req, res, next) => {
  res.send('李國蘋, 213410102')
})

const port = process.env.PORT || 5000
app.listen(port, () => {
  console.log(`Sever running on port ${port}`)
})
```

```
[nodemon] watching extensions: js,mjs,cjs,json
[nodemon] starting `node --env-file=.env server.
js`
js`
Connecting local database wp1_demo_02
Sever running on port 5000
results [{"id":1,"title":"Seven Reasons Why Coff
Travel To Paris","descrip":"Lorem ipsum dolor si
t amet consectetur adipisicing elit.","category"
:"travel","img":"/images/photo-2.jpg","remote_im
g":""},{"id":3,"title":"Coffee Brings Friendship
","descrip":"Lorem ipsum dolor sit amet consecte
tur adipisicing elit.","category":"lifestyle","i
mg":"/images/photo-3.jpg","remote_img":""}]
```

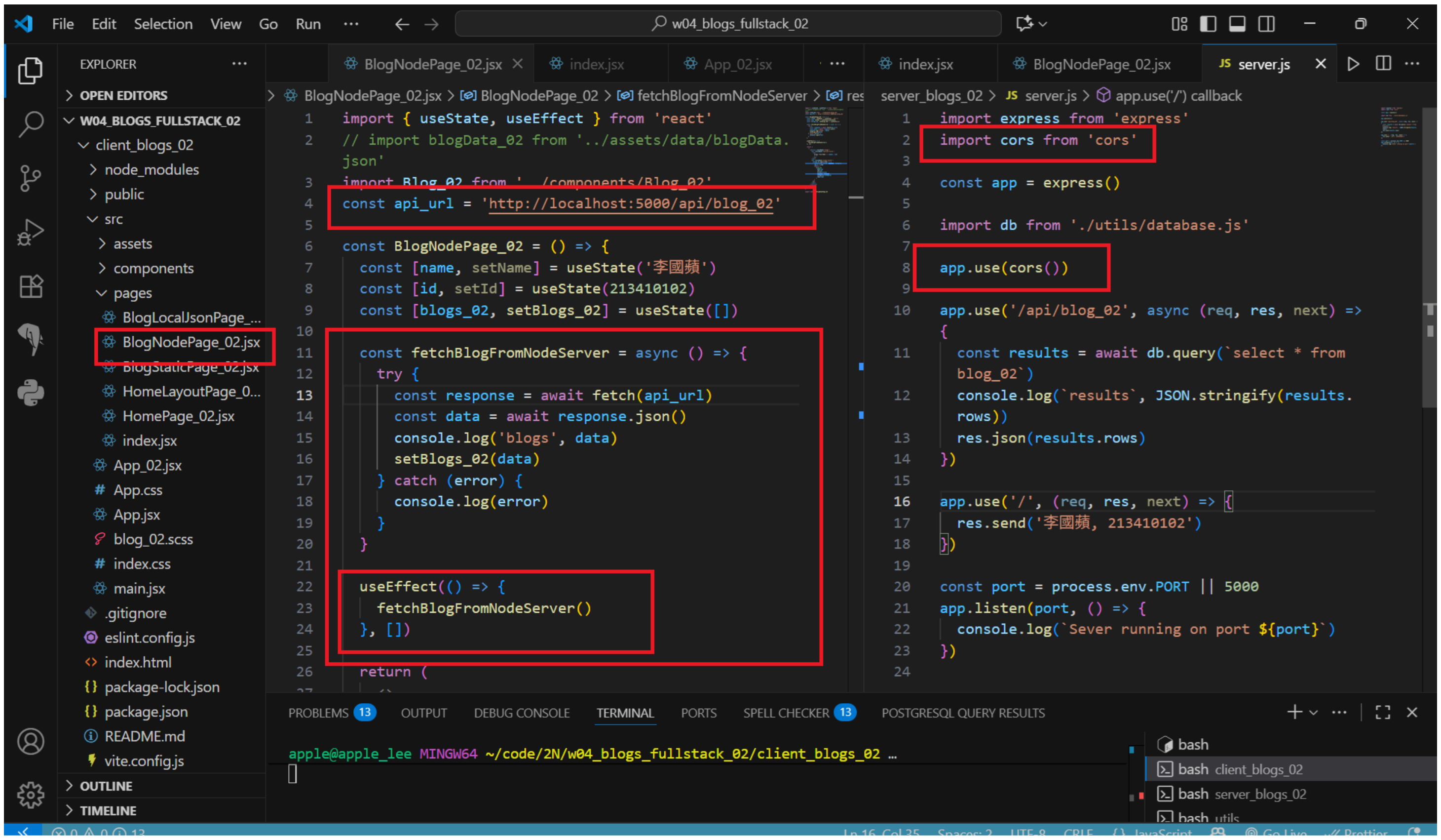
localhost:50...

```json
[
  {
    "id": 1,
    "title": "Seven Reasons Why Coffee Is Awesome",
    "descrip": "Lorem ipsum dolor sit amet consectetur adipisicing elit.",
    "category": "lifestyle",
    "img": "/images/photo-1.jpg",
    "remote_img": ""
  },
  {
    "id": 2,
    "title": "Travel To Paris",
    "descrip": "Lorem ipsum dolor sit amet consectetur adipisicing elit.",
    "category": "travel",
    "img": "/images/photo-2.jpg",
    "remote_img": ""
  },
  {
    "id": 3,
    "title": "Coffee Brings Friendship",
    "descrip": "Lorem ipsum dolor sit amet consectetur adipisicing elit.",
    "category": "lifestyle",
    "img": "/images/photo-3.jpg",
    "remote_img": ""
  }
]
```

```
a163cba apple550678    Wed Oct 8 20:41:33 2025 +0800   Video: W04-P2: Create blog_xx table witl
```

Video: W04-P3: from client side to get json data from Node

=> modified client and server code

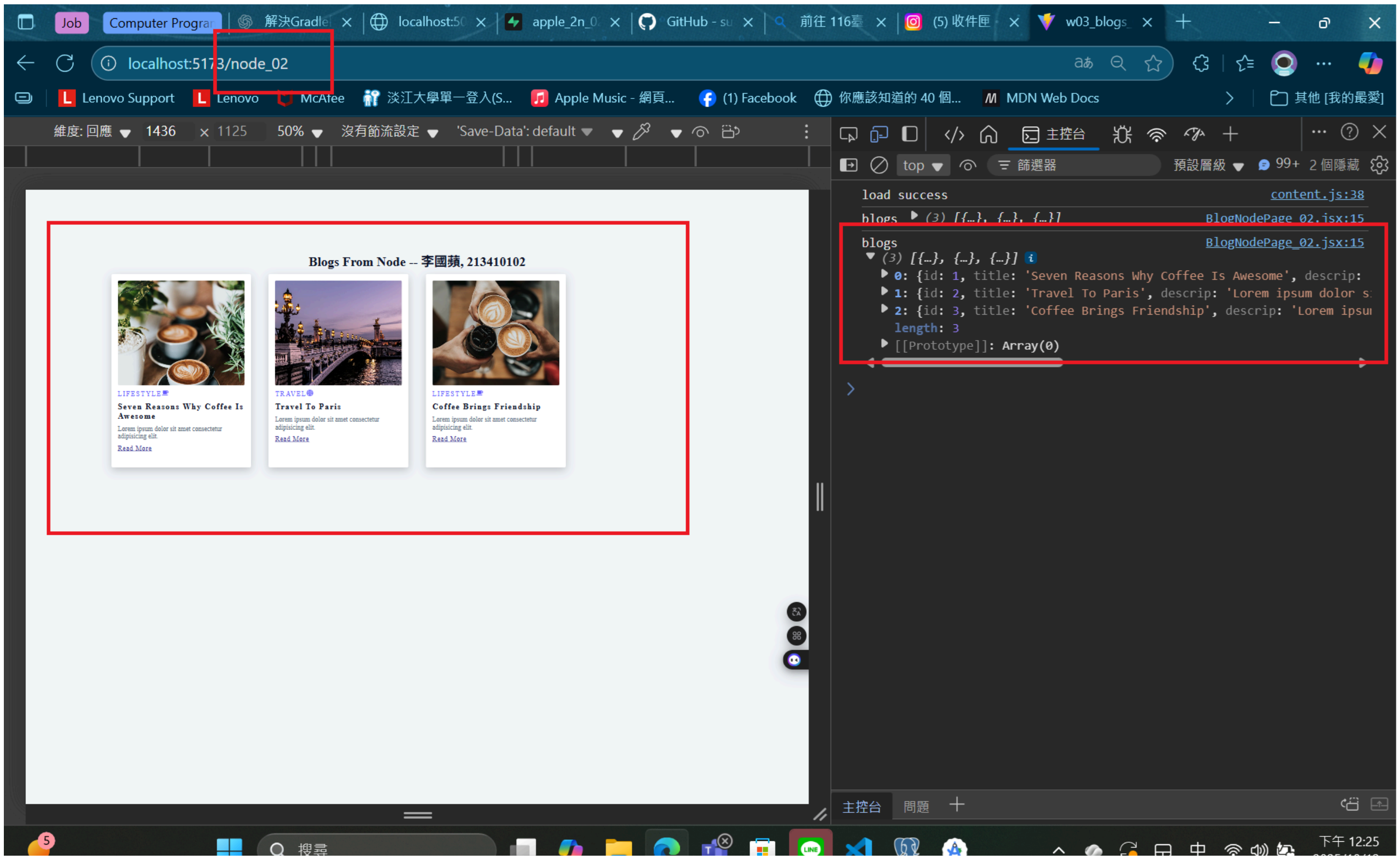


```jsx
import { useState, useEffect } from 'react'
// import blogData_02 from '../assets/data/blogData.json'
import Blog_02 from '../components/Blog_02'
const api_url = 'http://localhost:5000/api/blog_02'

const BlogNodePage_02 = () => {
  const [name, setName] = useState('李國蘋')
  const [id, setId] = useState(213410102)
  const [blogs_02, setBlogs_02] = useState([])

  const fetchBlogFromNodeServer = async () => {
    try {
      const response = await fetch(api_url)
      const data = await response.json()
      console.log('blogs', data)
      setBlogs_02(data)
    } catch (error) {
      console.log(error)
    }
  }

  useEffect(() => {
    fetchBlogFromNodeServer()
  }, [])

  return (
```

```js
import express from 'express'
import cors from 'cors'

const app = express()

import db from './utils/database.js'

app.use(cors())

app.use('/api/blog_02', async (req, res, next) =>
{
  const results = await db.query(`select * from blog_02`)
  console.log(`results`, JSON.stringify(results.rows))
  res.json(results.rows)
})

app.use('/', (req, res, next) => {
  res.send('李國蘋, 213410102')
})

const port = process.env.PORT || 5000
app.listen(port, () => {
  console.log(`Sever running on port ${port}`)
})
```

```
apple@apple_lee MINGW64 ~/code/2N/w04_blogs_fullstack_02/client_blogs_02 …
```

=> Chrome, show 3 blogs



localhost:5173/node_02

Blogs From Node -- 李國蘋, 213410102

LIFESTYLE

Seven Reasons Why Coffee Is Awesome

Lorem ipsum dolor sit amet consectetur adipisicing elit.

Read More

TRAVEL

Travel To Paris

Lorem ipsum dolor sit amet consectetur adipisicing elit.

Read More

LIFESTYLE

Coffee Brings Friendship

Lorem ipsum dolor sit amet consectetur adipisicing elit.

Read More

```
load success                                               content.js:38
blogs ▶ (3) [{…}, {…}, {…}]                         BlogNodePage_02.jsx:15
blogs                                               BlogNodePage_02.jsx:15
▼ (3) [{…}, {…}, {…}]
  ▶ 0: {id: 1, title: 'Seven Reasons Why Coffee Is Awesome', descrip:
  ▶ 1: {id: 2, title: 'Travel To Paris', descrip: 'Lorem ipsum dolor s
  ▶ 2: {id: 3, title: 'Coffee Brings Friendship', descrip: 'Lorem ipsu
    length: 3
  ▶ [[Prototype]]: Array(0)
```

```
c1c996a apple550678     Sun Oct 12 12:29:51 2025 +0800  Video: W04-P3: from client side to get
```