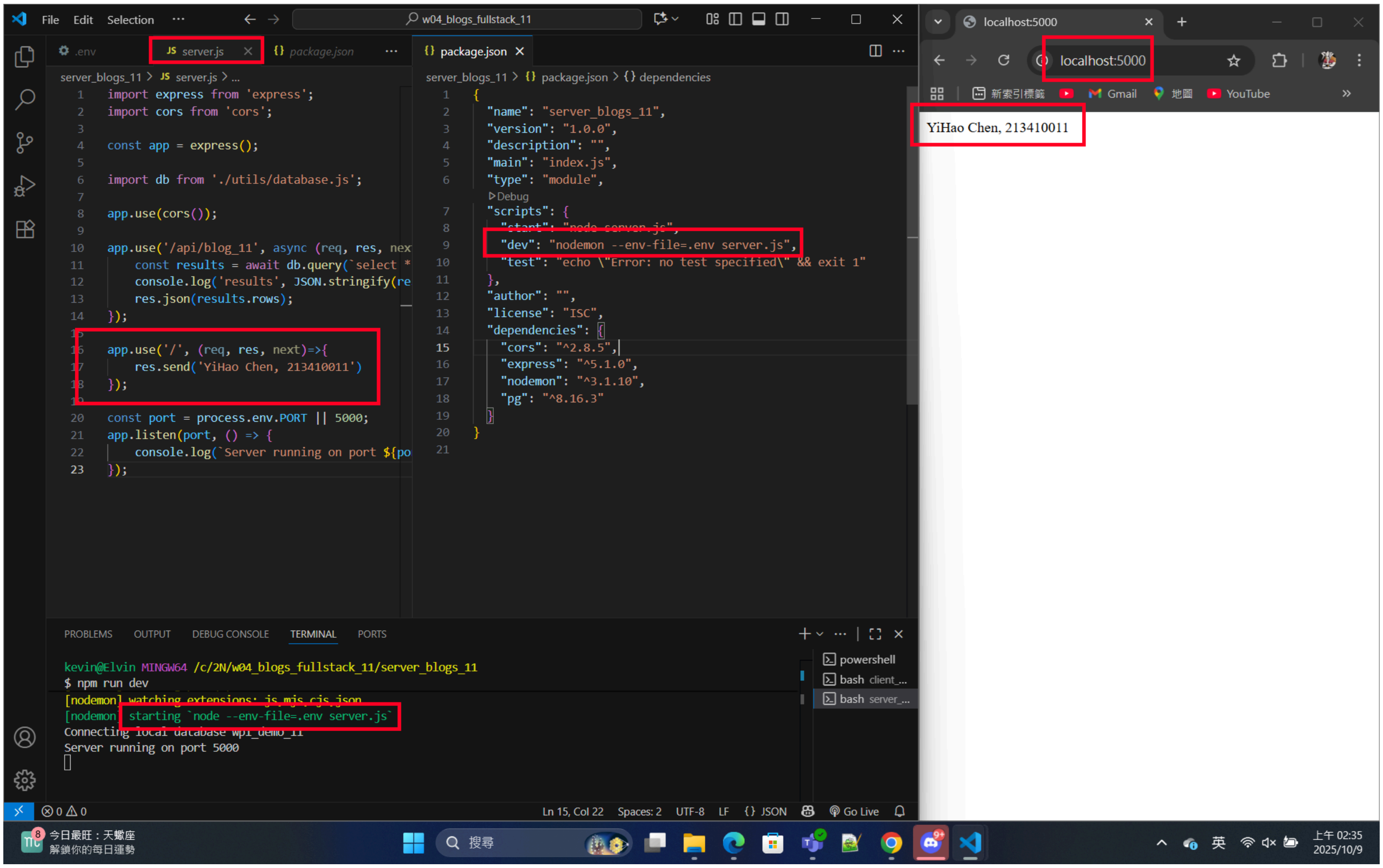
Github URL

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



```
import express from 'express';
import cors from 'cors';

const app = express();

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

app.use(cors());

app.use('/api/blog_11', async (req, res, nex
    const results = await db.query(`select *
    console.log('results', JSON.stringify(re
    res.json(results.rows);
});

app.use('/', (req, res, next)=>{
    res.send('YiHao Chen, 213410011')
});

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

```
{
  "name": "server_blogs_11",
  "version": "1.0.0",
  "description": "",
  "main": "index.js",
  "type": "module",
  ▷Debug
  "scripts": {
    "start": "node server.js",
    "dev": "nodemon --env-file=.env server.js",
    "test": "echo \"Error: no test specified\" && exit 1"
  },
  "author": "",
  "license": "ISC",
  "dependencies": {
    "cors": "^2.8.5",
    "express": "^5.1.0",
    "nodemon": "^3.1.10",
    "pg": "^8.16.3"
  }
}
```

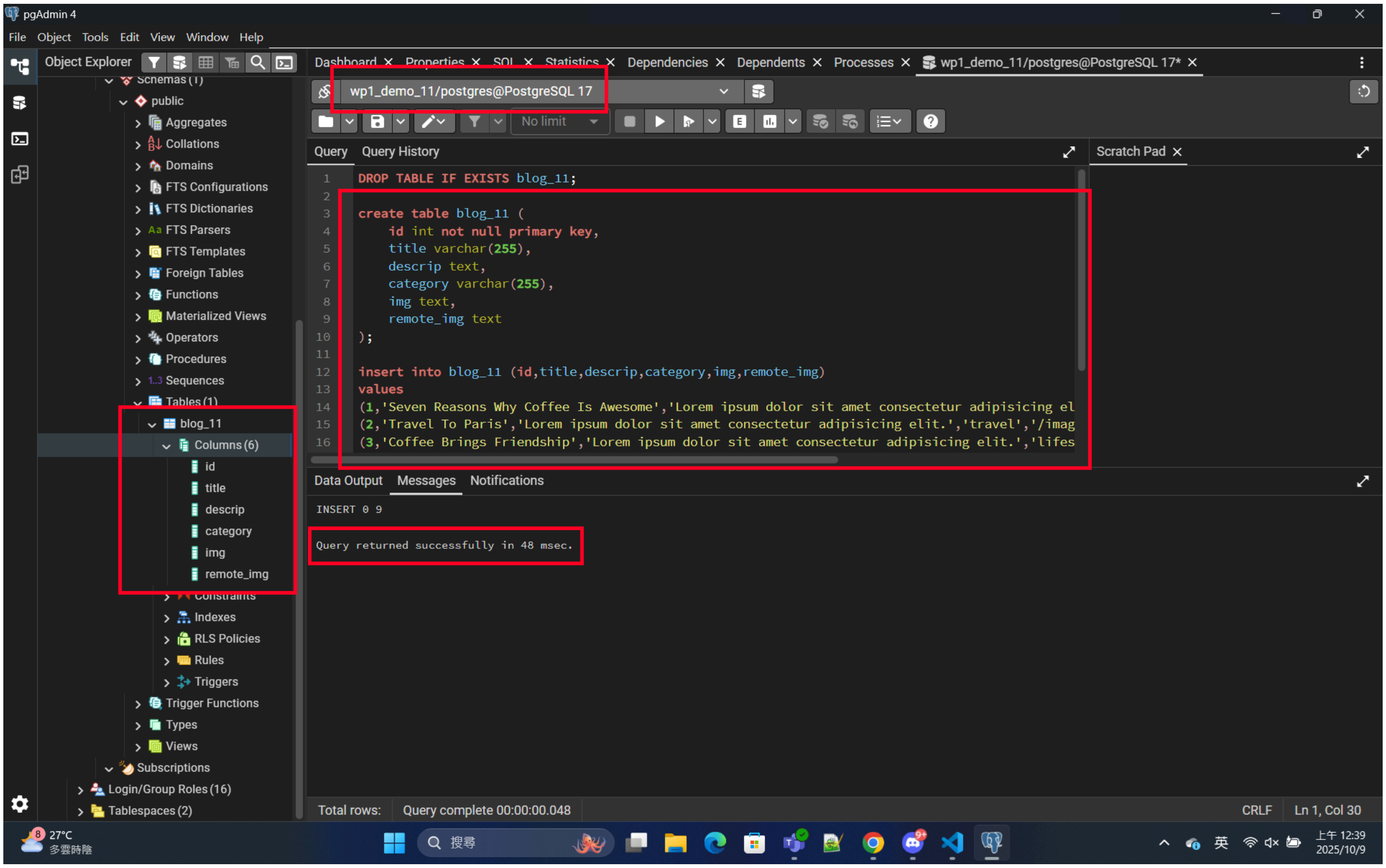
```
kevin@Elvin MINGW64 /c/2N/w04_blogs_fullstack_11/server_blogs_11
$ npm run dev
[nodemon] watching extensions: js,mjs,cjs,json
[nodemon] starting `node --env-file=.env server.js`
Connecting local database wp1_demo_11
Server running on port 5000
```

YiHao Chen, 213410011

```
aabebf6 Hao Yi Chen      Wed Oct 8 19:55:20 2025 +0800    W04-P1: Create a express Web server to s
```

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

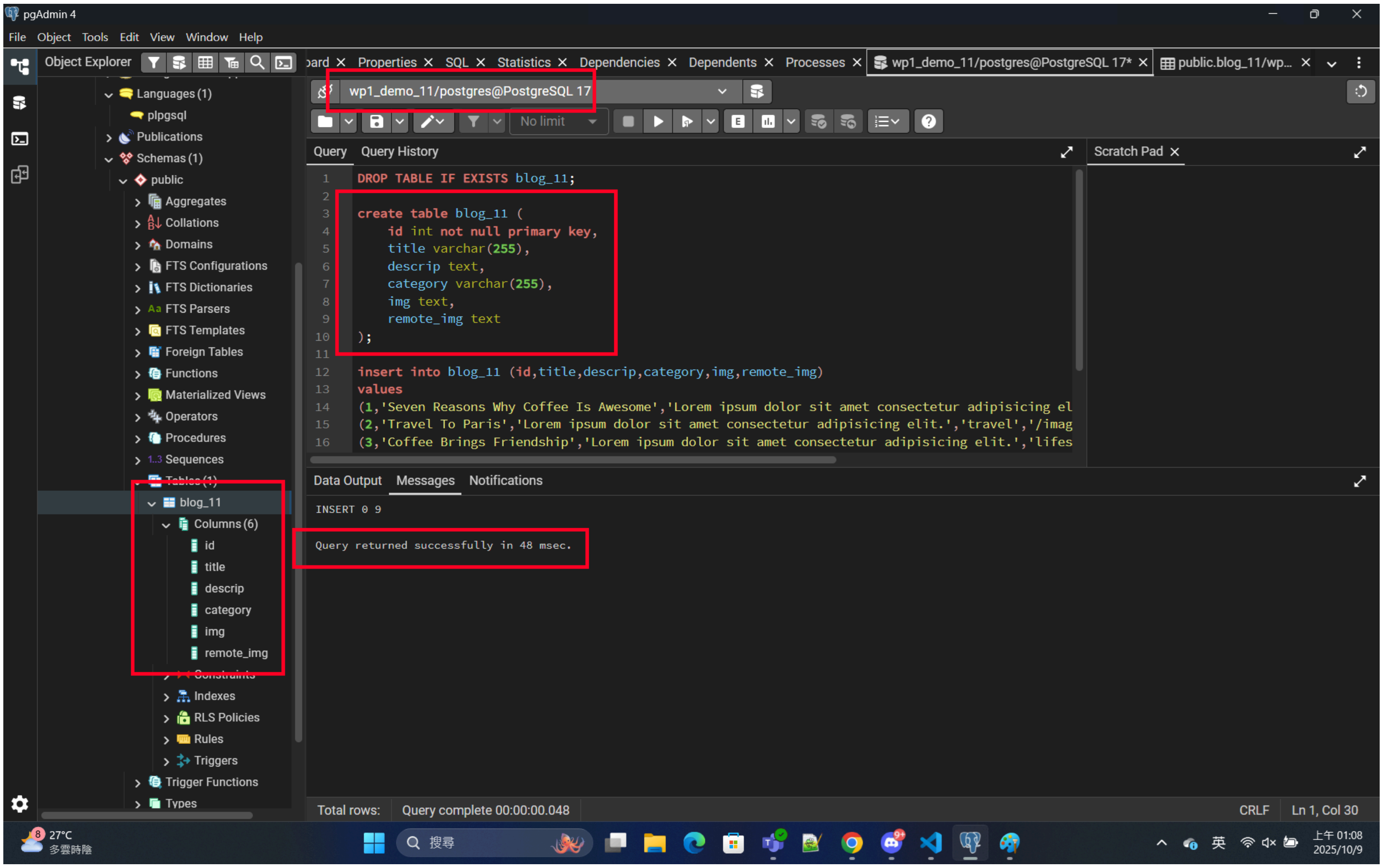
=> SQL to create blog_xx table and 3 data



```
DROP TABLE IF EXISTS blog_11;

create table blog_11 (
    id int not null primary key,
    title varchar(255),
    descrip text,
    category varchar(255),
    img text,
    remote_img text
);

insert into blog_11 (id,title,descrip,category,img,remote_img)
values
(1,'Seven Reasons Why Coffee Is Awesome','Lorem ipsum dolor sit amet consectetur adipisicing el
(2,'Travel To Paris','Lorem ipsum dolor sit amet consectetur adipisicing elit.','travel','/imag
(3,'Coffee Brings Friendship','Lorem ipsum dolor sit amet consectetur adipisicing elit.','lifes
```

```
INSERT 0 9

Query returned successfully in 48 msec.
```

=> show 3 data



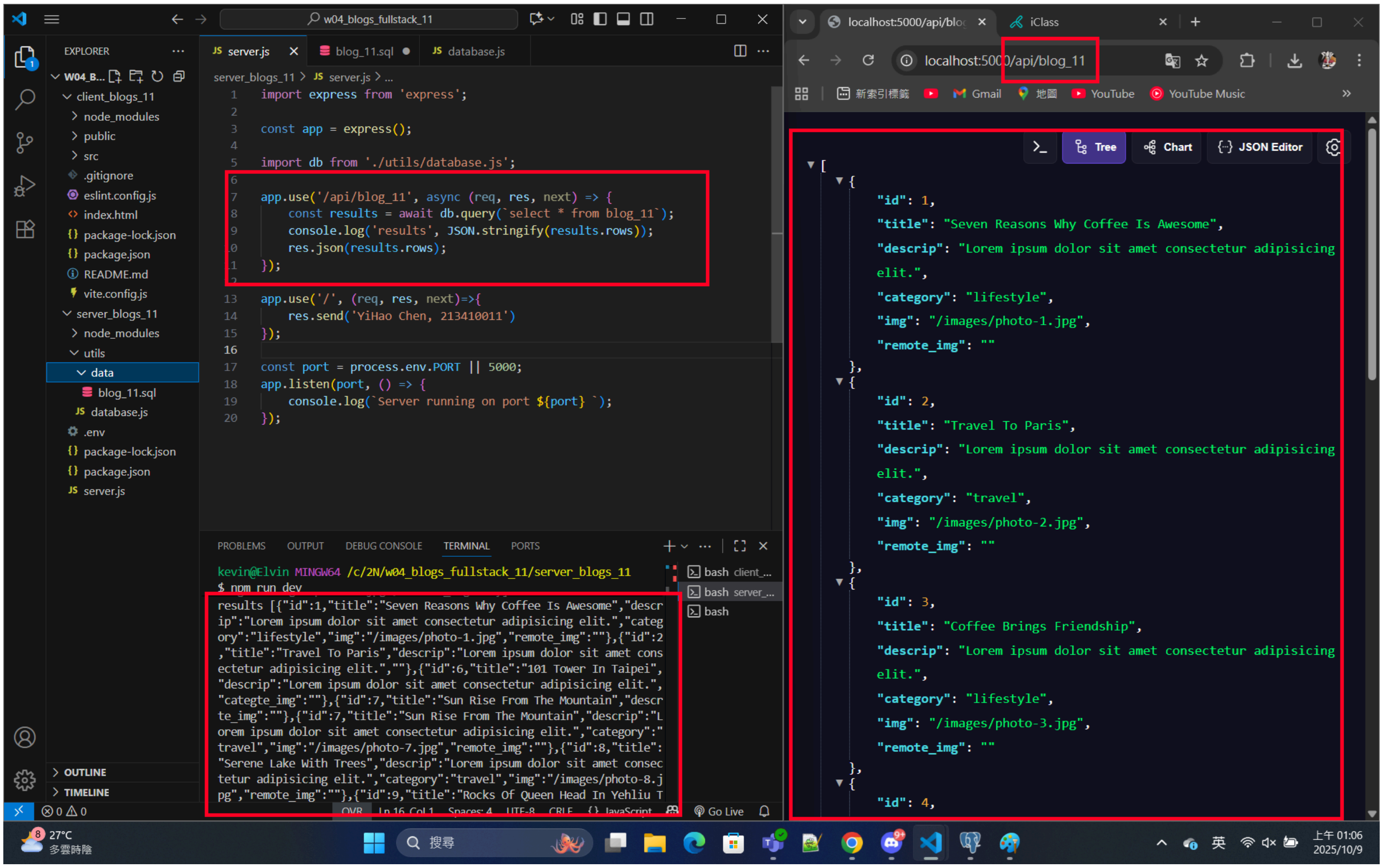
wp1_demo_11/postgres@PostgreSQL 17

```sql
DROP TABLE IF EXISTS blog_11;

create table blog_11 (
    id int not null primary key,
    title varchar(255),
    descrip text,
    category varchar(255),
    img text,
    remote_img text
);

insert into blog_11 (id,title,descrip,category,img,remote_img)
values
(1,'Seven Reasons Why Coffee Is Awesome','Lorem ipsum dolor sit amet consectetur adipisicing el
(2,'Travel To Paris','Lorem ipsum dolor sit amet consectetur adipisicing elit.','travel','/imag
(3,'Coffee Brings Friendship','Lorem ipsum dolor sit amet consectetur adipisicing elit.','lifes
```

```
INSERT 0 9

Query returned successfully in 48 msec.
```

Total rows: Query complete 00:00:00.048 CRLF Ln 1, Col 30

=> implement route /api/blog_xx



```javascript
import express from 'express';

const app = express();

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

app.use('/api/blog_11', async (req, res, next) => {
    const results = await db.query(`select * from blog_11`);
    console.log('results', JSON.stringify(results.rows));
    res.json(results.rows);
});

app.use('/', (req, res, next)=>{
    res.send('YiHao Chen, 213410011')
});

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

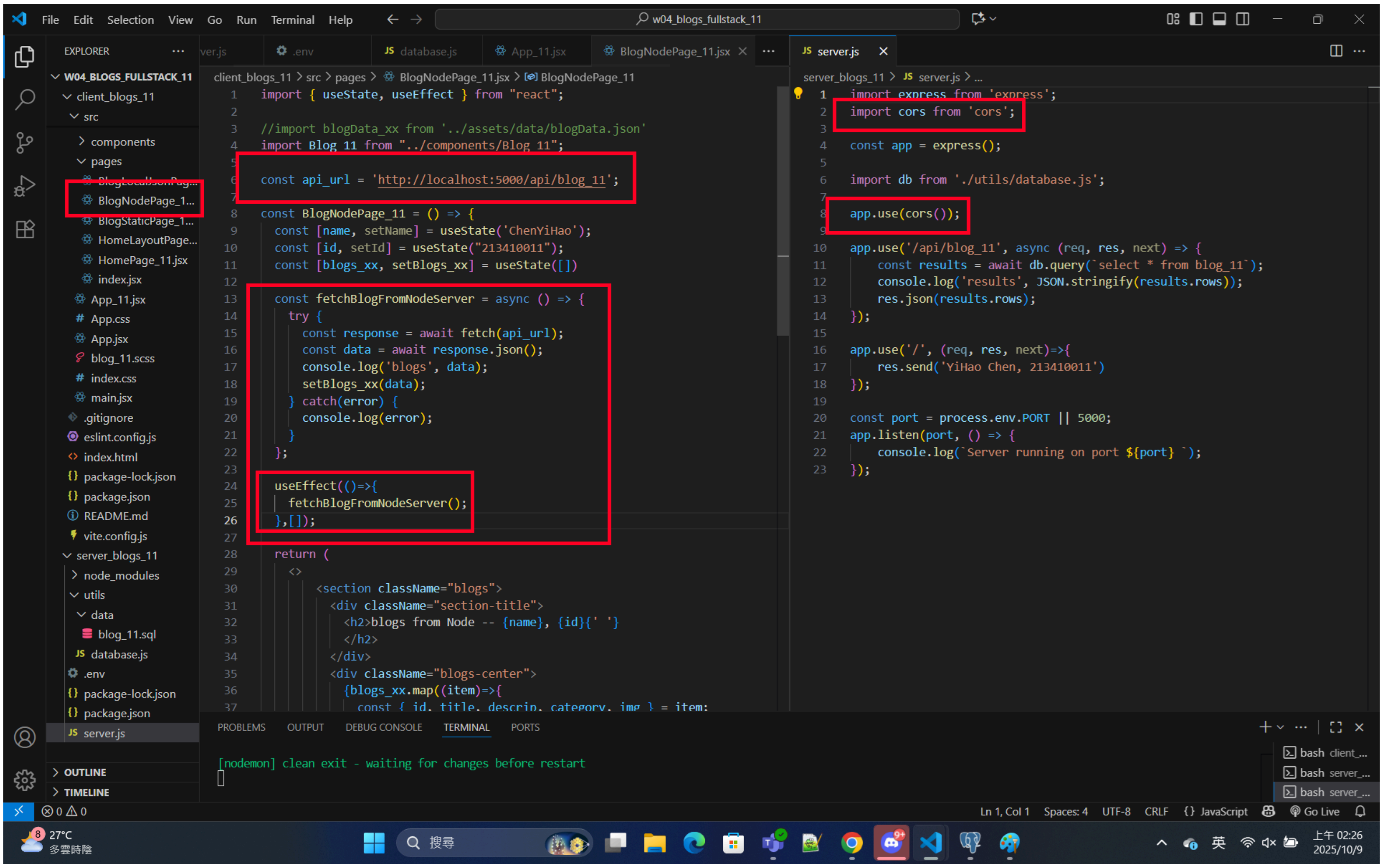
```
kevin@Elvin MINGW64 /c/2N/w04_blogs_fullstack_11/server_blogs_11
$ npm run dev
results [{"id":1,"title":"Seven Reasons Why Coffee Is Awesome","descr
ip":"Lorem ipsum dolor sit amet consectetur adipisicing elit.","categ
ory":"lifestyle","img":"/images/photo-1.jpg","remote_img":""},{"id":2
,"title":"Travel To Paris","descrip":"Lorem ipsum dolor sit amet cons
ectetur adipisicing elit.",""},{"id":6,"title":"101 Tower In Taipei",
"descrip":"Lorem ipsum dolor sit amet consectetur adipisicing elit.",
"categte_img":""},{"id":7,"title":"Sun Rise From The Mountain","descr
te_img":""},{"id":7,"title":"Sun Rise From The Mountain","descrip":"L
orem ipsum dolor sit amet consectetur adipisicing elit.","category":"
travel","img":"/images/photo-7.jpg","remote_img":""},{"id":8,"title":
"Serene Lake With Trees","descrip":"Lorem ipsum dolor sit amet consec
tetur adipisicing elit.","category":"travel","img":"/images/photo-8.j
pg","remote_img":""},{"id":9,"title":"Rocks Of Queen Head In Yehliu T
```

```
[
  {
    "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": ""
  },
  {
    "id": 4,
```

```
84b380b Hao Yi Chen      Thu Oct 9 01:09:58 2025 +0800    W04-P2: Create blog_xx table with 3 data
```

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

=> modified client and server code

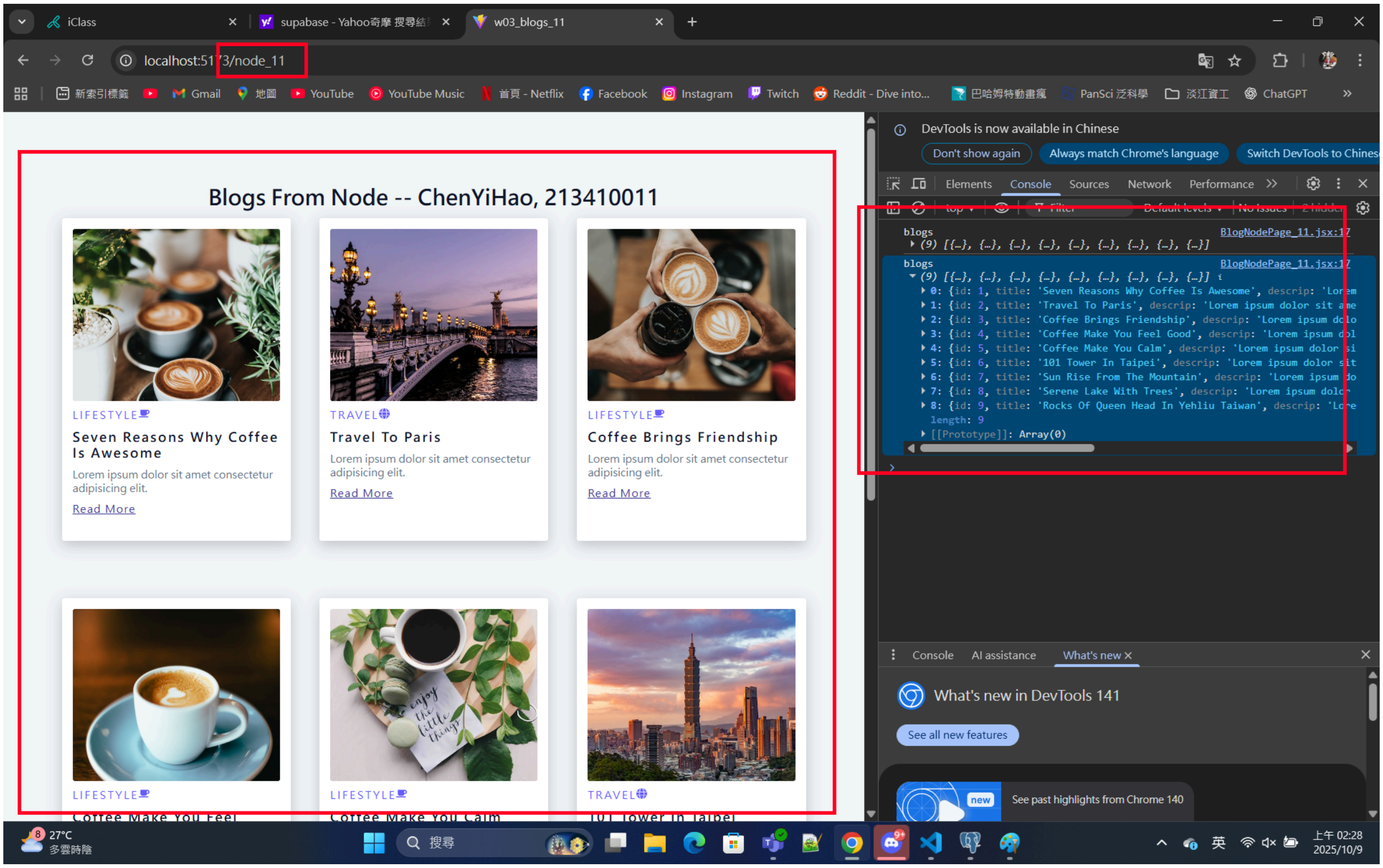


```jsx
import { useState, useEffect } from "react";

//import blogData_xx from '../assets/data/blogData.json'
import Blog_11 from "../components/Blog_11";

const api_url = 'http://localhost:5000/api/blog_11';

const BlogNodePage_11 = () => {
  const [name, setName] = useState('ChenYiHao');
  const [id, setId] = useState("213410011");
  const [blogs_xx, setBlogs_xx] = useState([])

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

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

  return (
    <>
        <section className="blogs">
          <div className="section-title">
            <h2>blogs from Node -- {name}, {id}{' '}
            </h2>
          </div>
          <div className="blogs-center">
            {blogs_xx.map((item)=>{
              const { id, title, descrip, category, img } = item;
```

```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_11', async (req, res, next) => {
    const results = await db.query(`select * from blog_11`);
    console.log('results', JSON.stringify(results.rows));
    res.json(results.rows);
});

app.use('/', (req, res, next)=>{
    res.send('YiHao Chen, 213410011')
});

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

```
[nodemon] clean exit - waiting for changes before restart
```

=> Chrome, show 3 blogs



Blogs From Node -- ChenYiHao, 213410011

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

LIFESTYLE

Coffee Make You Feel

TRAVEL

Coffee Make You Calm

TRAVEL

101 Tower In Taipei

```
blogs                                                                    BlogNodePage_11.jsx:17
 ▸ (9) [{…}, {…}, {…}, {…}, {…}, {…}, {…}, {…}, {…}]
blogs                                                                    BlogNodePage_11.jsx:17
 ▾ (9) [{…}, {…}, {…}, {…}, {…}, {…}, {…}, {…}, {…}] i
   ▸ 0: {id: 1, title: 'Seven Reasons Why Coffee Is Awesome', descrip: 'Lorem
   ▸ 1: {id: 2, title: 'Travel To Paris', descrip: 'Lorem ipsum dolor sit ame
   ▸ 2: {id: 3, title: 'Coffee Brings Friendship', descrip: 'Lorem ipsum dolo
   ▸ 3: {id: 4, title: 'Coffee Make You Feel Good', descrip: 'Lorem ipsum dol
   ▸ 4: {id: 5, title: 'Coffee Make You Calm', descrip: 'Lorem ipsum dolor si
   ▸ 5: {id: 6, title: '101 Tower In Taipei', descrip: 'Lorem ipsum dolor sit
   ▸ 6: {id: 7, title: 'Sun Rise From The Mountain', descrip: 'Lorem ipsum do
   ▸ 7: {id: 8, title: 'Serene Lake With Trees', descrip: 'Lorem ipsum dolor
   ▸ 8: {id: 9, title: 'Rocks Of Queen Head In Yehliu Taiwan', descrip: 'Lore
     length: 9
   ▸ [[Prototype]]: Array(0)
```

iClass
supabase - Yahoo奇摩 搜尋結果
w03_blogs_11
DevTools is now available in Chinese
Don't show again
Always match Chrome's language
Switch DevTools to Chinese
Elements
Console
Sources
Network
Performance
Console
AI assistance
What's new
What's new in DevTools 141
See all new features
See past highlights from Chrome 140
27°C
多雲時陰
上午 02:28
2025/10/9

```
251c0c0 Hao Yi Chen     Thu Oct 9 02:30:31 2025 +0800   W04-P3: from client side to get json dat
```

w04-logs: git logs of W01 and share to htchung@gms.tku.edu.tw (teacher) and sian-0018 (TA)