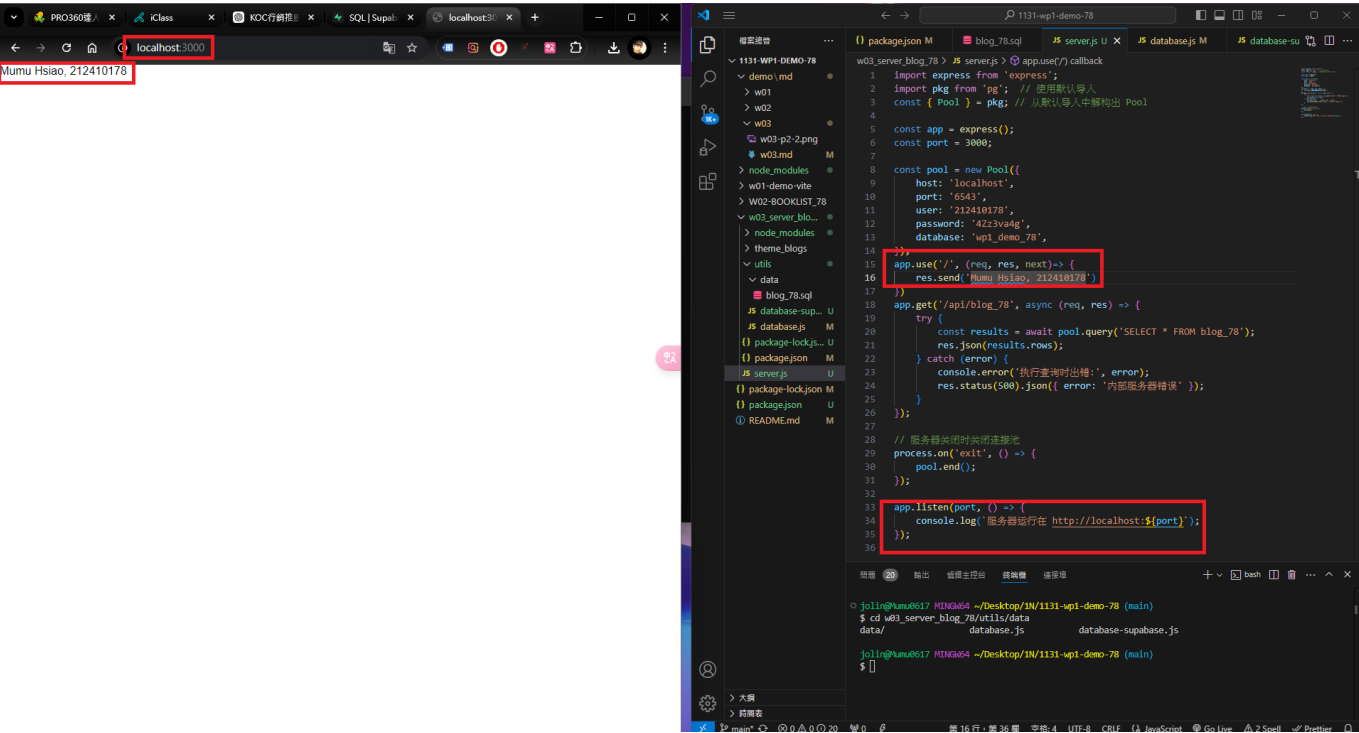


W03-P1: Create an express Web server and show your name and ID



ea8cfaf htchung Wed Sep 25 18:58:28 2024 +0800 W03-P1: Create an express Web server and show your name and ID

W03-P2: Create wp1_demo_78 database with a table blog_78, and put 2 data into blog_78

=> pgAdmin

=> sq1

The screenshot shows a VS Code editor with a file explorer on the left and a code editor on the right. The file explorer shows a project structure with a folder named 'w03_server_blog_78' containing a 'data' folder. The 'data' folder contains a file named 'blog_78.sql'. The code editor shows the content of 'blog_78.sql', which contains SQL code to create a table named 'blog_78' and insert three rows of data. The SQL code is as follows:

```
1 create_table blog_78 (  
2     id int not null primary key,  
3     title varchar(255),  
4     descrip text,  
5     category varchar(255),  
6     img text,  
7     remote_img text  
8 )  
9  
10 insert into blog_78(id, title, description, category, img, remote_img)  
11 values  
12 (1, 'seven reasons why coffee is awesome', 'Lorem ipsum dolor, sit amet  
13 consectetur adipisicing elit.', 'lifestyle', './images/photo-1.jpg', ''),  
14 (2, 'travel to paris', 'Lorem ipsum dolor, sit amet consectetur  
15 adipisicing elit.', 'travel', './images/photo-2.jpg', ''),  
16 (3, 'seven reasons why coffee is awesome', 'Lorem ipsum dolor, sit amet  
17 consectetur adipisicing elit.', 'lifestyle', './images/photo-3.jpg', '')
```

efac8b4 maikeo357 Wed Sep 25 19:39:09 2024 +0800 W03-P2: Create wp1_demo_78 database with a table blog_78, and put 2 data into blog_78

W03-P3: Create database.js to connect blog_xx as in P2 and show 2 data

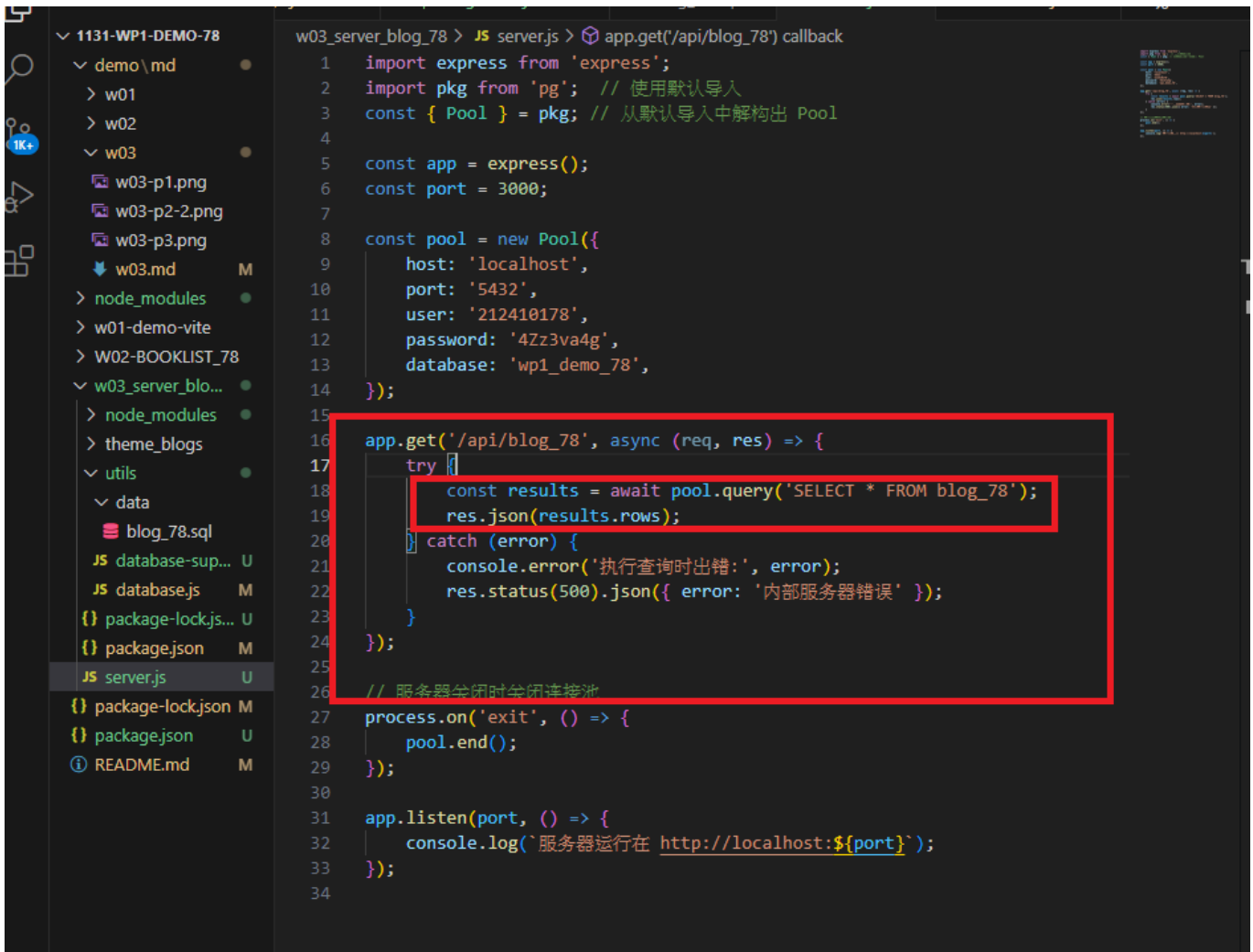
The screenshot shows a VS Code editor with a file explorer on the left and a code editor on the right. The file explorer shows a project structure with a folder named 'w03_server_blog_78' containing a 'data' folder. The 'data' folder contains a file named 'blog_78.sql'. The code editor shows the content of 'database.js', which contains JavaScript code to connect to a database and retrieve data. The JavaScript code is as follows:

```
1 import express from 'express';  
2 import pkg from 'pg';  
3 const { Pool } = pkg;  
4  
5 const app = express();  
6 const port = 3000;  
7  
8 const pool = new Pool({  
9     host: 'localhost',  
10    port: '5432',  
11    user: '212410178',  
12    password: '4Zz3va4g',  
13    database: 'wp1_demo_78',  
14 });  
15  
16 app.get('/api/blog_78', async (req, res) => {  
17     try {  
18         const results = await pool.query('SELECT * FROM blog_78');  
19         res.json(results.rows);  
20     } catch (error) {  
21         console.error('执行查询时出错:', error);  
22         res.status(500).json({ error: '内部服务器错误' });  
23     }  
24 });  
25  
26 app.listen(port, () => {  
27     console.log('服务器运行在 http://localhost:${port}');  
28 });  
29
```

The terminal window shows the command 'node database.js' being executed, which outputs '服务器运行在 http://localhost:3000'. The terminal also shows the command 'npm run dev' being executed, which outputs 'w03_server_blog_78@1.0.0 dev' and 'nodemon server.js'.

efac8b4 maikeo357 Wed Sep 25 19:39:09 2024 +0800 W03-P2: Create wp1_demo_78 database with a table blog_78, and put 2 data into blog_78

W03-P4: Using route /api/blog_xx to get json data and show it in the browser

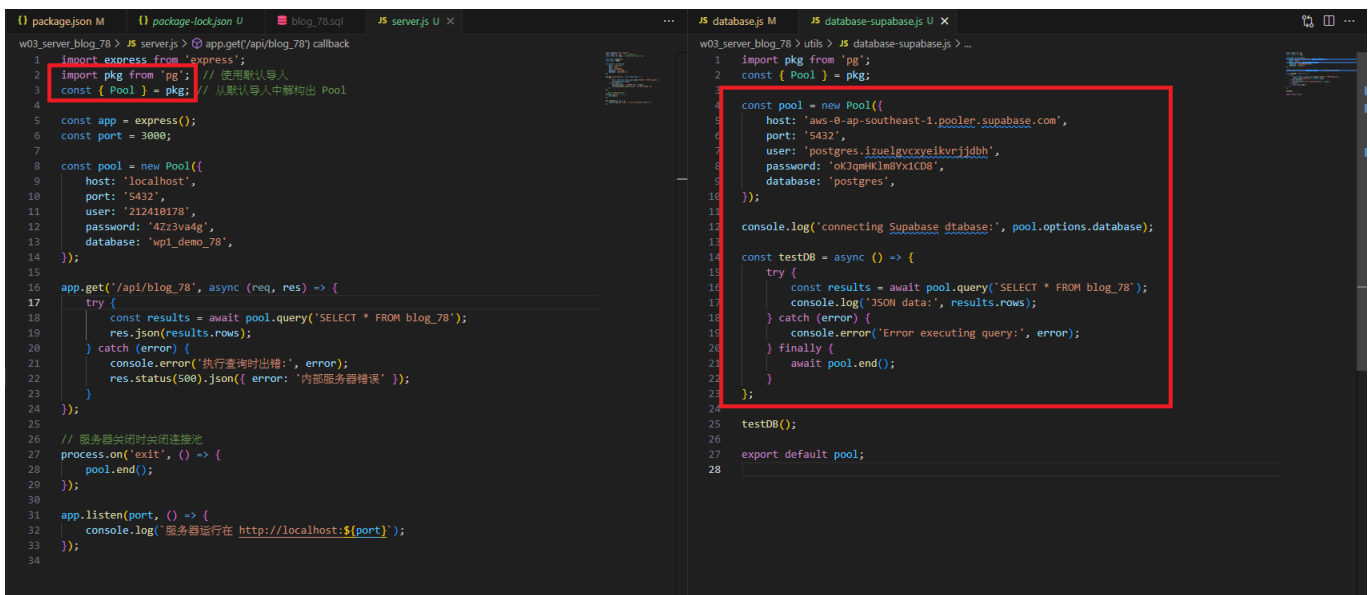


```
w03_server_blog_78 > JS server.js > app.get('/api/blog_78') callback
1  import express from 'express';
2  import pkg from 'pg'; // 使用默认导入
3  const { Pool } = pkg; // 从默认导入中解构出 Pool
4
5  const app = express();
6  const port = 3000;
7
8  const pool = new Pool({
9    host: 'localhost',
10   port: '5432',
11   user: '212410178',
12   password: '4Zz3va4g',
13   database: 'wp1_demo_78',
14 });
15
16 app.get('/api/blog_78', async (req, res) => {
17   try {
18     const results = await pool.query('SELECT * FROM blog_78');
19     res.json(results.rows);
20   } catch (error) {
21     console.error('执行查询时出错:', error);
22     res.status(500).json({ error: '内部服务器错误' });
23   }
24 });
25
26 // 服务器关闭时关闭连接池
27 process.on('exit', () => {
28   pool.end();
29 });
30
31 app.listen(port, () => {
32   console.log(`服务器运行在 http://localhost:${port}`);
33 });
34
```

efac8b4 maikeo357

Wed Sep 25 19:39:09 2024 +0800 W03-P2: Create wp1_demo_78 database with a table blog_78, and put 2 data into blog_78

W03-P5: Using route /api/blog_xx to get json data from Supabase, and show it in the browser



```
1  import express from 'express';
2  import pkg from 'pg'; // 使用默认导入
3  const { Pool } = pkg; // 从默认导入中解构出 Pool
4
5  const app = express();
6  const port = 3000;
7
8  const pool = new Pool({
9    host: 'localhost',
10   port: '5432',
11   user: '212410178',
12   password: '4Zz3va4g',
13   database: 'wp1_demo_78',
14 });
15
16 app.get('/api/blog_78', async (req, res) => {
17   try {
18     const results = await pool.query('SELECT * FROM blog_78');
19     res.json(results.rows);
20   } catch (error) {
21     console.error('执行查询时出错:', error);
22     res.status(500).json({ error: '内部服务器错误' });
23   }
24 });
25
26 // 服务器关闭时关闭连接池
27 process.on('exit', () => {
28   pool.end();
29 });
30
31 app.listen(port, () => {
32   console.log(`服务器运行在 http://localhost:${port}`);
33 });
34
```

```
w03_server_blog_78 > utils > JS database-supabase.js > ...
1  import pkg from 'pg';
2  const { Pool } = pkg;
3
4  const pool = new Pool({
5    host: 'aws-0-ap-southeast-1.pooler.supabase.com',
6    port: '5432',
7    user: 'postgres.izuelgvcxyeikvrjdbh',
8    password: 'okJqmWklm8Yx1CD8',
9    database: 'postgres',
10 });
11
12 console.log('connecting Supabase database:', pool.options.database);
13
14 const testDB = async () => {
15   try {
16     const results = await pool.query('SELECT * FROM blog_78');
17     console.log('JSON data:', results.rows);
18   } catch (error) {
19     console.error('Error executing query:', error);
20   } finally {
21     await pool.end();
22   }
23 };
24
25 testDB();
26
27 export default pool;
28
```

```
efac8b4 maikeo357      Wed Sep 25 19:39:09 2024 +0800  W03-P2: Create wp1_demo_78
database with a table blog_78, and put 2 data into blog_78
```

W03-P6: all git logs of W3

maikeo357 / 1131-wp1-demo-78

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Commits

main

All usersAll time

Commits on Sep 25, 2024

W03-P2: Create wp1_demo_78 database with a table blog_78, and put 2 data into blog_78

0812zyl committed 2 hours agoefac8b4

Commits on Sep 18, 2024

pdf

maikeo357 committed last week6eef436

final

maikeo357 committed last week6412da3

update

maikeo357 committed last week3c6f1cf

w02-2

maikeo357 committed last week433882d

test

maikeo357 committed last weeka64328a

```
efac8b4 maikeo357      Wed Sep 25 19:39:09 2024 +0800  W03-P2: Create wp1_demo_78
database with a table blog_78, and put 2 data into blog_78
```