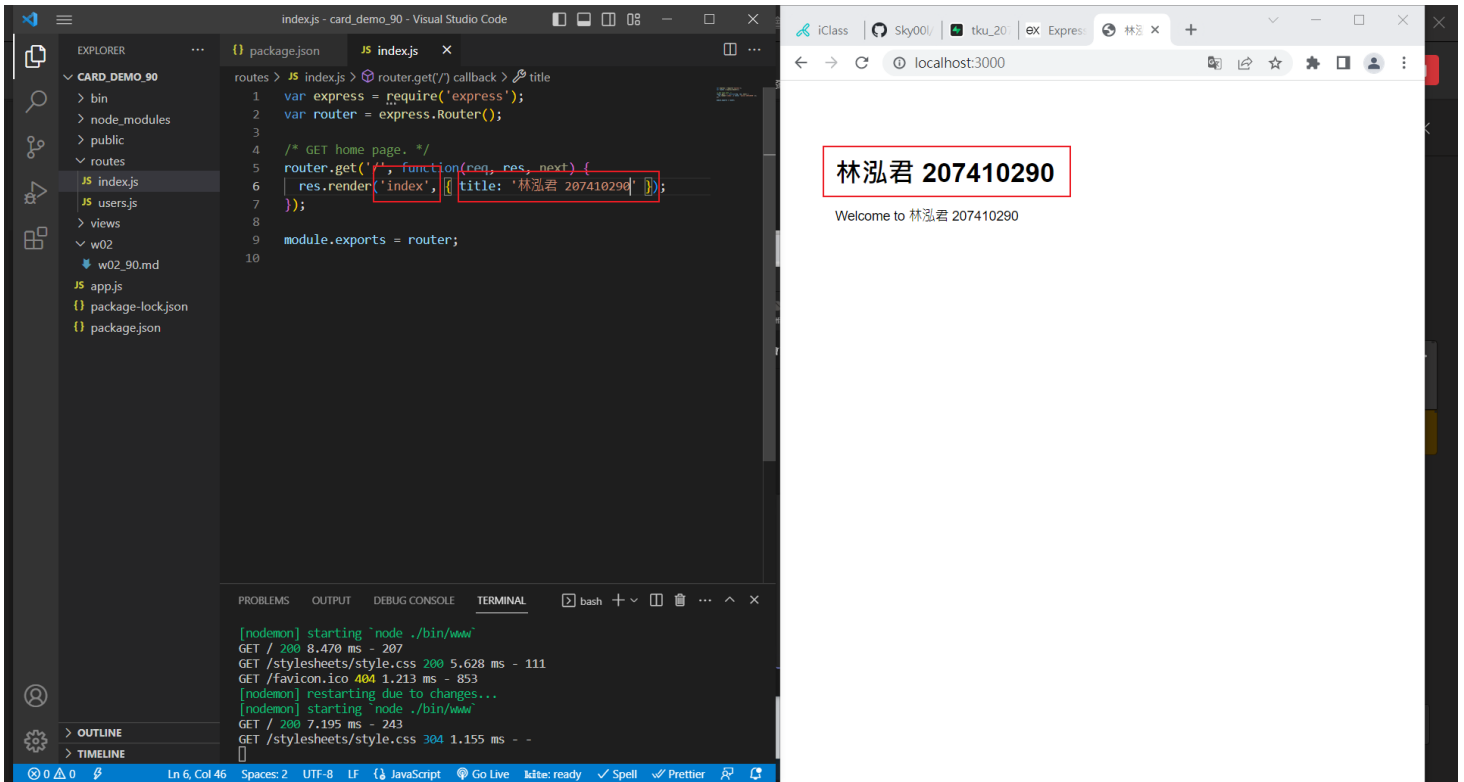
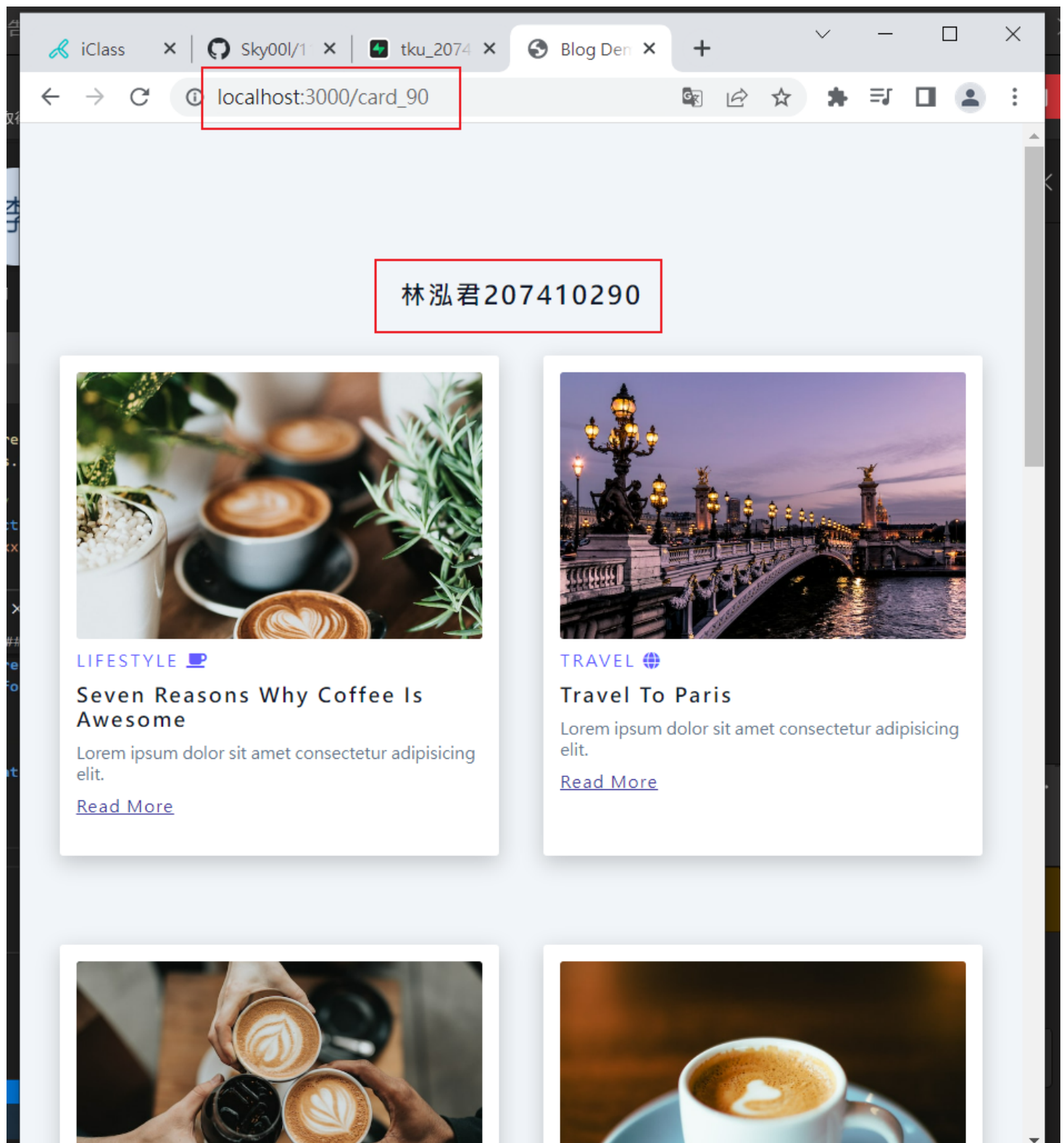
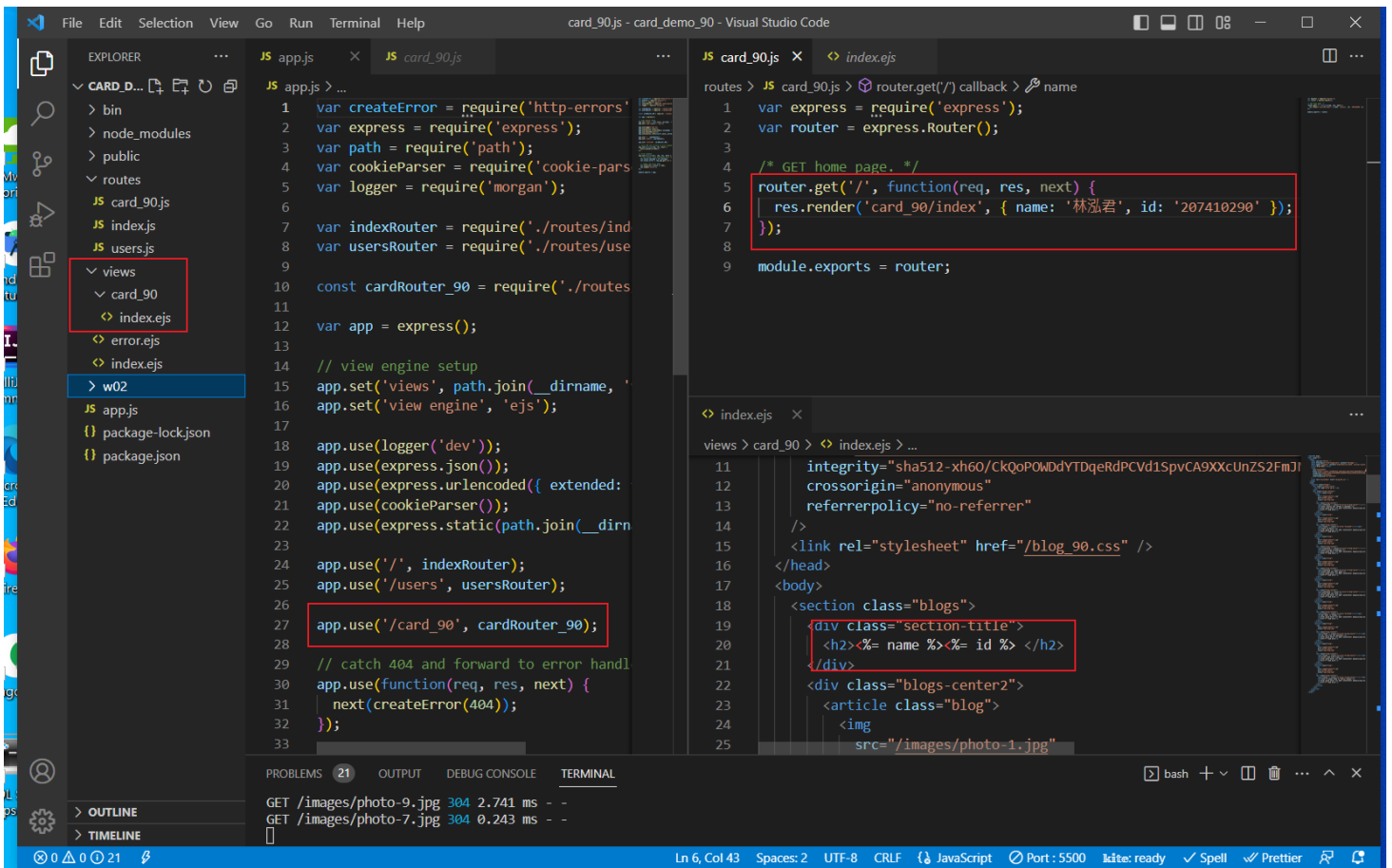


W02-P1: Use express generator to create a server side framework, and display your info



W02-P2: show static page of card demo with your info





W02-P3: database connection to wp2_demo_xx

The screenshot displays the Visual Studio Code interface with the following components:

- EXPLORER:** The file tree on the left shows the project structure. The `utils` folder is expanded, and `data.sql` and `database.js` are highlighted with red boxes.
- package.json:** The file is open in the editor, showing the `dependencies` section. The `pg` dependency is highlighted with a red box.
- database.js:** The file is open in the editor, showing the `Pool` connection configuration. The `pg` import, `Pool` constructor, and the `database` property in the options are highlighted with red boxes.
- TERMINAL:** The terminal at the bottom shows the command `node database.js` being executed, resulting in the output `pool wp2_demo_90`. The command is repeated twice, and the output is also repeated.

```
package.json > {} dependencies
1 {
2   "name": "card-demo-90",
3   "version": "0.0.0",
4   "private": true,
5   "scripts": {
6     "start": "node ./bin/www",
7     "dev": "nodemon ./bin/www"
8   },
9   "dependencies": {
10    "cookie-parser": "~1.4.4",
11    "debug": "~2.6.9",
12    "ejs": "~2.6.1",
13    "express": "~4.16.1",
14    "http-errors": "~1.6.3",
15    "morgan": "~1.9.1",
16    "pg": "^8.9.0"
17  }
18 }
19
```

```
utils > JS database.js >
1 const { Pool } = require('pg');
2
3 const pool = new Pool({
4   user: 'postgres',
5   host: 'localhost',
6   port: '5432',
7   database: 'wp2_demo_90',
8   password: '0000'
9 });
10
11 console.log('pool', pool.options.database);
12
13 module.exports = pool;
```

```
User@E201-81 MINGW64 /d/card_demo_90/utils
$ node database.js
pool wp2_demo_90

User@E201-81 MINGW64 /d/card_demo_90/utils
$ node database.js
pool wp2_demo_90

User@E201-81 MINGW64 /d/card_demo_90/utils
$ cd ..

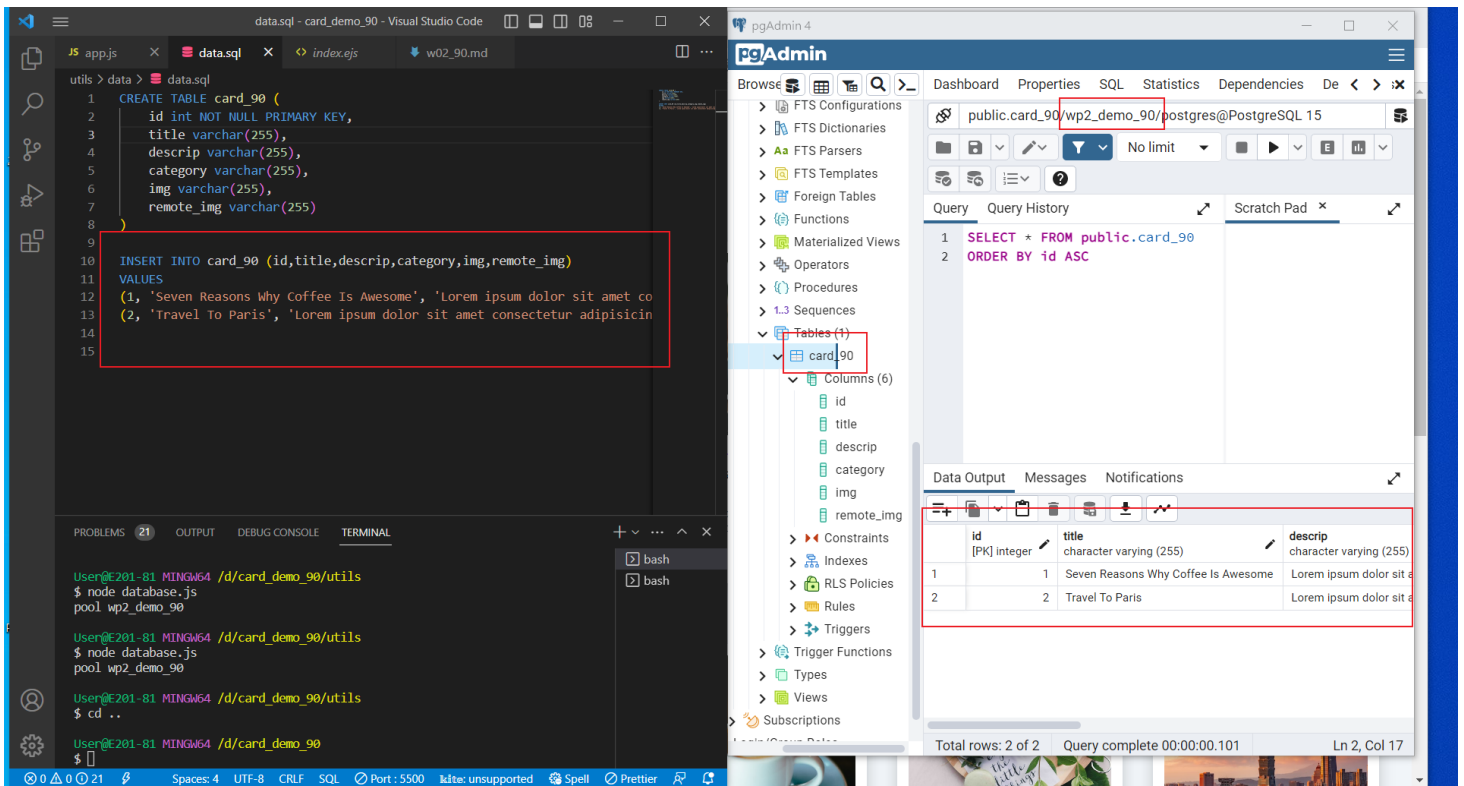
User@E201-81 MINGW64 /d/card_demo_90
$
```

W02-P4: create table card_xx with 2 data

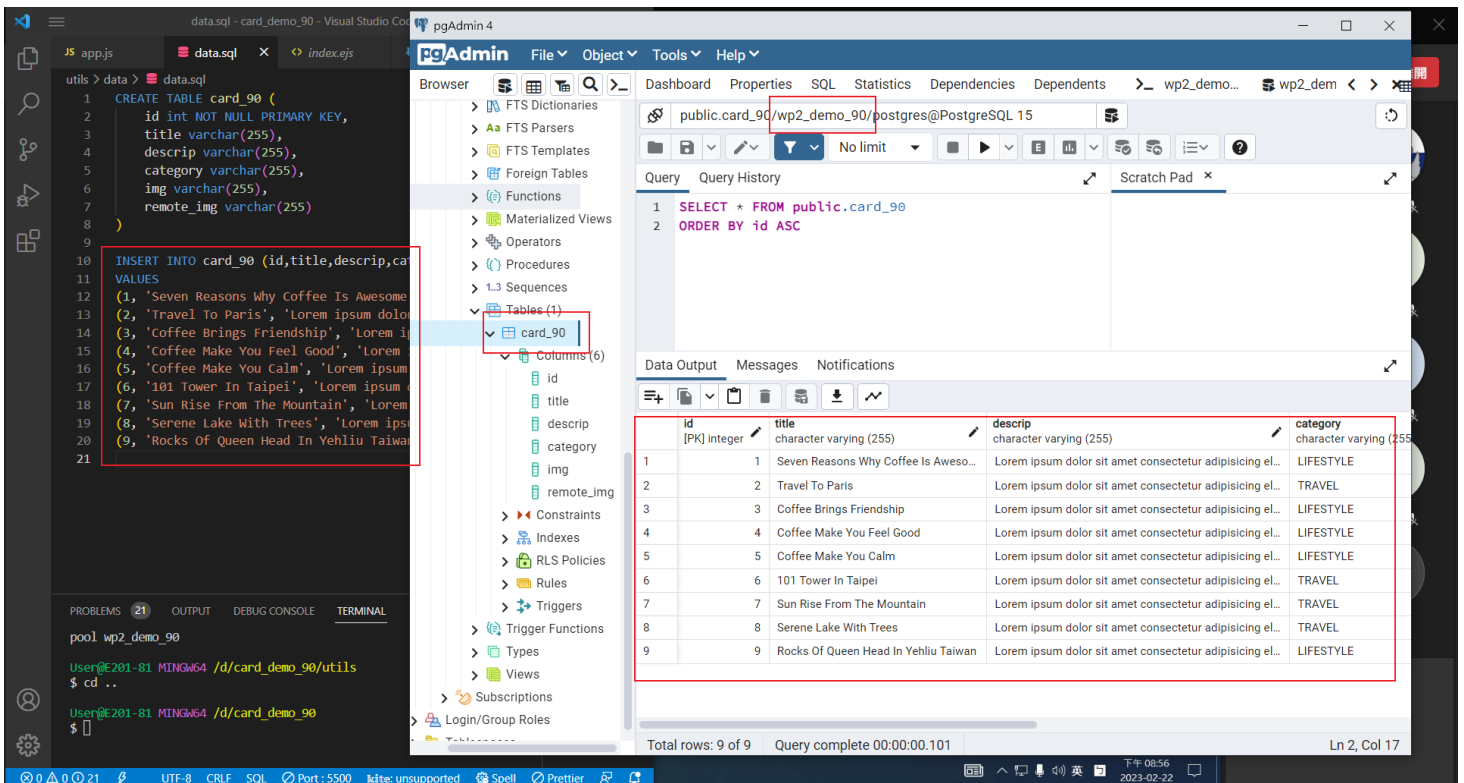
The screenshot displays the pgAdmin 4 web interface. On the left, the 'Browser' pane shows a tree structure of database objects. The 'Tables (1)' folder is expanded, and the 'card_90' table is selected. The 'Columns (6)' sub-folder is also expanded, showing the following columns: id, title, descrip, category, img, and remote_img. The main 'Query' editor in the center contains the following SQL code:

```
1 CREATE TABLE card_90 (  
2     id int NOT NULL PRIMARY KEY,  
3     title varchar(255),  
4     descrip varchar(255),  
5     category varchar(255),  
6     img varchar(255),  
7     remote_img varchar(255)  
8 )
```

The 'Data Output' pane at the bottom shows a message: 'No data output. Execute a query to get output.' The status bar at the bottom indicates 'Total rows: 0 of 0' and 'Ln 8, Col 2'.



card_xx 建立 9 筆資料，截圖，匯出到 wp2_demo_xx.tar，然後匯入到 wp2_demo2 資料庫中，要能顯示 9 筆資料



pgAdmin 4

pgAdmin

Browser

Subscriptions

wp2_demo2_90

Casts

Catalogs

Event Triggers

Extensions

Foreign Data Wrappers

Languages

Publications

Schemas (1)

public

Aggregates

Collations

Domains

FTS Configurations

FTS Dictionaries

FTS Parsers

FTS Templates

Foreign Tables

Functions

Materialized Views

Operators

Procedures

Sequences

Tables (1)

card_90

Columns (6)

id

title

descrip

category

Dashboard

Properties

SQL

Statistics

Dependencies

Depender

public.card_90/wp2_demo2_90/postgres@PostgreSQL 15

No limit

Query

Query History

Scratch Pad

1

2

SELECT * FROM public.card_90

ORDER BY id ASC

Data Output

Messages

Notifications

	id	title	descrip
	[PK] integer	character varying (255)	character varying (255)
1	1	Seven Reasons Why Coffee Is Aweso...	Lorem ipsum dolor sit amet cons
2	2	Travel To Paris	Lorem ipsum dolor sit amet cons
3	3	Coffee Brings Friendship	Lorem ipsum dolor sit amet cons
4	4	Coffee Make You Feel Good	Lorem ipsum dolor sit amet cons
5	5	Coffee Make You Calm	Lorem ipsum dolor sit amet cons
6	6	101 Tower In Taipei	Lorem ipsum dolor sit amet cons
7	7	Sun Rise From The Mountain	Lorem ipsum dolor sit amet cons
8	8	Serene Lake With Trees	Lorem ipsum dolor sit amet cons
9	9	Rocks Of Queen Head In Yehliu Taiwan	Lorem ipsum dolor sit amet cons

Total rows: 9 of 9

Query complete 00:00:00.111

Ln 1, Col 1