

[Github Page](#)

## W04-P1: Connect database wp1\_demo\_46

The screenshot shows the VS Code editor on the left and the DBeaver IDE on the right. In VS Code, the file `database.js` is open, showing a PostgreSQL connection pool configuration. The configuration is highlighted with a red box:

```
const { Pool } = require('pg');

let pool;

pool = new Pool({
  host: 'localhost',
  port: 5432,
  user: 'marxw',
  password: '',
  database: 'wp1_demo_46',
});

console.log('Database connected', pool.options);

module.exports = pool;
```

The terminal output shows the successful connection:

```
Database connected {
  host: 'localhost',
  port: 5432,
  user: 'marxw',
  database: 'wp1_demo_46',
  max: 10,
  maxUses: Infinity,
  allowExitOnIdle: false,
  maxLifetimeSeconds: 0,
  idleTimeoutMillis: 10000
}
```

In DBeaver, the 'wp1\_demo\_46' database is selected in the Object Explorer. The Dashboard tab shows various performance metrics, including Database sessions, Transactions per second, and Tuples in/out.

## W04-P2: Using SQL to create table card\_46, and insert two data.

The screenshot shows the VS Code editor on the left and the DBeaver IDE on the right. In VS Code, the file `data.sql` is open, showing the SQL commands to create the `card_46` table and insert data. The commands are highlighted with red boxes:

```
CREATE TABLE card_46 (
  id int NOT NULL PRIMARY KEY,
  title varchar(255),
  description varchar(255),
  categories varchar(255),
  img_remote varchar(255),
  img varchar(255)
);

INSERT INTO card_46 (
  id, title, description, categories,
  img_remote, img
) VALUES (
  1, 'seven reasons why coffee is awesome', 'Lorem ipsum dolor, sit amet consectetur adipisicing elit.', 'lifestyle', '/images/photo-1.jpg', ''
),
(
  2, 'travel to paris', 'Lorem ipsum dolor, sit amet consectetur adipisicing elit.', 'lifestyle', '/images/photo-2.jpg', ''
),
(
  3, 'seven reasons why coffee is awesome', 'Lorem ipsum dolor, sit amet consectetur adipisicing elit.', 'lifestyle', '/images/photo-3.jpg', ''
);
```

In DBeaver, the 'card\_46' table is selected in the Object Explorer. The SQL editor shows the executed query:

```
SELECT * FROM public.card_46
ORDER BY ID ASC
```

The Data Output tab shows the results of the query:

id [PK] integer	title character varying (255)	description character varying (255)
1	seven reasons why coffee is awesome	Lorem ipsum dolor, sit amet
2	travel to paris	Lorem ipsum dolor, sit amet
3	seven reasons why coffee is awesome	Lorem ipsum dolor, sit amet

## W04-P3: Using Supabase SQL editor to create table card\_46, and insert two data.

The top screenshot shows the Supabase SQL Editor. The left pane displays the SQL code for creating the table and inserting data. The right pane shows the SQL Editor interface with the same code. The bottom screenshot shows the Supabase Table Editor. The left pane displays the table structure and data. The right pane shows the Table Editor interface with the table structure and data.

**SQL Editor Code:**

```
1 CREATE TABLE card_46 (  
2   id int NOT NULL PRIMARY KEY,  
3   title varchar(255),  
4   description varchar(255),  
5   categories varchar(255),  
6   img_remote varchar(255),  
7   img varchar(255)  
8 )  
9  
10 INSERT INTO card_46 (  
11   id, title, description, categories, img_remote, img  
12 ) VALUES (  
13   1, 'seven reasons why coffee is awesome', 'Lorem ipsum dolor, sit amet consectetur adipisicing elit.', 'lifestyle', '/images/photo-1.jpg', ''  
14 ),  
15 (  
16   2, 'travel to paris', 'Lorem ipsum dolor, sit amet consectetur adipisicing elit.', 'lifestyle', '/images/photo-2.jpg', ''  
17 ),  
18 (  
19   3, 'seven reasons why coffee is awesome', 'Lorem ipsum dolor, sit amet consectetur adipisicing elit.', 'lifestyle', '/images/photo-3.jpg', ''  
20 )
```

**Table Editor Data:**

id	title	description
1	seven reasons why coffee is awesome	Lorem ipsum dolor, sit amet consectetur adipisicing elit.
2	travel to paris	Lorem ipsum dolor, sit amet consectetur adipisicing elit.
3	seven reasons why coffee is awesome	Lorem ipsum dolor, sit amet consectetur adipisicing elit.

## W04-P4: Use JavaScript code to get card\_46 data from local wp1\_demo\_xx database

EXPLORER

W04\_46\_BLOG

1111-w06\_xx

images

blog\_xx.css

blog\_xx.html

bin

www

node\_modules

public

routes

utils

data

data.sql

database.js

test-db.js

views

app.js

package-lock.json

package.json

data.sql

test-db.js

database.js

15

16

17

18

19

20

21

22

23

24

25

26

27

const db = require('./database');

const testDB = async () => {

try {

const result = await pool.query('SELECT \*

FROM card\_46');

console.log('json data: ', result.rows);

} catch (error) {

console.log(error);

};

};

testDB();

module.exports = pool;

PROBLEMS

OUTPUT

TERMINAL

zsh - utils

> node database.js

json data: [

{

id: 1,

title: 'seven reasons why coffee is awesome',

description: 'Lorem ipsum dolor, sit amet consectetur adipisicing el

it.',

categories: 'lifestyle',

img\_remote: '/images/photo-1.jpg',

img: ''

},

{

id: 2,

title: 'travel to paris',

description: 'Lorem ipsum dolor, sit amet consectetur adipisicing el

it.',

categories: 'lifestyle',

img\_remote: '/images/photo-2.jpg',

img: ''

},

{

id: 3,

title: 'seven reasons why coffee is awesome',

description: 'Lorem ipsum dolor, sit amet consectetur adipisicing el

it.',

categories: 'lifestyle',

img\_remote: '/images/photo-3.jpg',

img: ''

},

]

Object Explorer

wp1\_demo\_46/marxw@TKU\_211410146

marxw

postgres

wp1\_demo\_46

Casts

Catalogs

Event Triggers

Extensions

Foreign Data Wrapp

Languages

Publications

Schemas (1)

public

Aggregates

Collations

Domains

FTS Configurati

FTS Dictionarie

FTS Parsers

FTS Templates

Foreign Tables

Functions

Materialized Vi

Operators

Procedures

Sequences

Tables (1)

card\_46

Columns

id

title

descrip

category

img\_rer

img

Constrain

Dashboard

Properties

SQL

Statistics

Dependenci

wp1\_demo\_46/marxw@TKU\_211410146

No limit

Query

Query History

Scratch Pad

1

SELECT \* FROM card\_46;

Data Output

Messages

Notifications

	id	title	description
	[PK] integer	character varying (255)	character varyin
1	1	seven reasons why coffee is awesome	Lorem ipsum do
2	2	travel to paris	Lorem ipsum do
3	3	seven reasons why coffee is awesome	Lorem ipsum do
4	4	seven reasons why coffee is awesome	Lorem ipsum do
5	5	seven reasons why coffee is awesome	Lorem ipsum do
6	6	seven reasons why coffee is awesome	Lorem ipsum do
7	7	seven reasons why coffee is awesome	Lorem ipsum do
8	8	seven reasons why coffee is awesome	Lorem ipsum do
9	9	seven reasons why coffee is awesome	Lorem ipsum do

Total rows: 9 of 9

Query complete 00:00:00.146

Ln 1, Col 23

W04-P5: Show 9 data in both local PostgreSQL and Supabase

Databases (3)

- marxw
- postgres
- wp1\_demo\_46**
  - Casts
  - Catalogs
  - Event Triggers
  - Extensions
  - Foreign Data Wrapper
  - Languages
  - Publications
  - Schemas (1)
    - public
      - Aggregates
      - Collations
      - Domains
      - FTS Configurati...
      - FTS Dictionaries
      - FTS Parsers
      - FTS Templates
      - Foreign Tables
      - Functions
      - Materialized Vie...
      - Operators
      - Procedures
      - 1.3 Sequences**
      - Tables (1)**
        - card\_46**
        - Trigger Function
      - Types
      - Views
  - Subscriptions
- Login/Group Roles
- Tablespaces (2)
  - pg\_default

Dashboard Properties SQL Statistics Dependencies Dependents Processes wp1\_demo\_46/marxw@TKU\_211410146\*

wp1\_demo\_46/marxw@TKU\_211410146

Query Query History

1 SELECT \* FROM card\_46;

Scratch Pad X

Data Output Messages Notifications

	id [PK] integer	title character varying (255)	description character varying (255)	categories character varying (255)	img_remote character varying (255)	img character varying (255)
1	1	seven reasons why coffee is awesome	Lorem ipsum dolor, sit amet consectetur adipisicing el...	lifestyle	/images/photo-1.jpg	
2	2	travel to paris	Lorem ipsum dolor, sit amet consectetur adipisicing el...	lifestyle	/images/photo-2.jpg	
3	3	seven reasons why coffee is awesome	Lorem ipsum dolor, sit amet consectetur adipisicing el...	lifestyle	/images/photo-3.jpg	
4	4	seven reasons why coffee is awesome	Lorem ipsum dolor, sit amet consectetur adipisicing el...	lifestyle	/images/photo-4.jpg	
5	5	seven reasons why coffee is awesome	Lorem ipsum dolor, sit amet consectetur adipisicing el...	lifestyle	/images/photo-5.jpg	
6	6	seven reasons why coffee is awesome	Lorem ipsum dolor, sit amet consectetur adipisicing el...	lifestyle	/images/photo-6.jpg	
7	7	seven reasons why coffee is awesome	Lorem ipsum dolor, sit amet consectetur adipisicing el...	lifestyle	/images/photo-7.jpg	
8	8	seven reasons why coffee is awesome	Lorem ipsum dolor, sit amet consectetur adipisicing el...	lifestyle	/images/photo-8.jpg	
9	9	seven reasons why coffee is awesome	Lorem ipsum dolor, sit amet consectetur adipisicing el...	lifestyle	/images/photo-9.jpg	

Total rows: 9 of 9 Query complete 00:00:00.138 Ln 1, Col 23

Learning <

supabase.com

marxinblack@supabase Free / tku\_211410146

Help Feedback

Refresh Filter Sort Insert

Realtime off <> API Data Definition

WARNING: You are allowing anonymous access to your table. Enable Row Level Security Dismiss

	id int4	title varchar	description varchar	categories varchar	img_remote varchar
1		seven reasons why coffee is awesome	Lorem ipsum dolor, sit amet consectetur adipisicing el...	lifestyle	/images/photo-1.jpg
2		travel to paris	Lorem ipsum dolor, sit amet consectetur adipisicing el...	lifestyle	/images/photo-2.jpg
3		seven reasons why coffee is awesome	Lorem ipsum dolor, sit amet consectetur adipisicing el...	lifestyle	/images/photo-3.jpg
4		seven reasons why coffee is awesome	Lorem ipsum dolor, sit amet consectetur adipisicing el...	lifestyle	/images/photo-4.jpg
5		seven reasons why coffee is awesome	Lorem ipsum dolor, sit amet consectetur adipisicing el...	lifestyle	/images/photo-5.jpg
6		seven reasons why coffee is awesome	Lorem ipsum dolor, sit amet consectetur adipisicing el...	lifestyle	/images/photo-6.jpg
7		seven reasons why coffee is awesome	Lorem ipsum dolor, sit amet consectetur adipisicing el...	lifestyle	/images/photo-7.jpg
8		seven reasons why coffee is awesome	Lorem ipsum dolor, sit amet consectetur adipisicing el...	lifestyle	/images/photo-8.jpg
9		seven reasons why coffee is awesome	Lorem ipsum dolor, sit amet consectetur adipisicing el...	lifestyle	/images/photo-9.jpg

< Page 1 of 1 100 rows 9 records

W04-P6: W4 all logs

marx-w / 1121-WP1-demo-211410146

Commits

main

Commits on Oct 4, 2023

- W04-P5: Show 9 data in both local PostgreSQL and Supabase  
marx-w committed now  
da9962a
- W04-P4: Use JavaScript code to get card\_46 data from local wp1\_demo\_x...  
marx-w committed 6 minutes ago  
e234860
- W04-P3: Using Supabase SQL editor to create table card\_46, and insert...  
marx-w committed 39 minutes ago  
7de0eb2
- W04-P2: Using SQL to create table card\_46, and insert two data.  
marx-w committed 1 hour ago  
9e1ccba
- W04-P1: Connect database wp1\_demo\_46  
marx-w committed 1 hour ago  
77a4609

Commits on Sep 27, 2023

- W03-Logs: All Logs  
marx-w committed last week  
900860c
- W03-P5: Show all git logs of Week3  
marx-w committed last week  
5735267
- W03-P4: Display all category buttons from <Category\_46 />  
marx-w committed last week  
c356763
- W03-P3: Display all menu from <Menu\_46 />  
marx-w committed last week  
72d71f1

```
git log --pretty=format:"%h%x09%an%x09%ad%x09%s" --after="2023-10-03"
```

```
da9962a Marx Wang      Wed Oct 4 21:27:09 2023 +0800    W04-P5: Show 9
data in both local PostgreSQL and Supabase
e234860 Marx Wang      Wed Oct 4 21:20:51 2023 +0800    W04-P4: Use
JavaScript code to get card_46 data from local wp1_demo_xx database
7de0eb2 Marx Wang      Wed Oct 4 20:48:04 2023 +0800    W04-P3: Using
Supabase SQL editor to create table card_46, and insert two data.
9e1ccba Marx Wang      Wed Oct 4 20:21:42 2023 +0800    W04-P2: Using SQL
to create table card_46, and insert two data.
77a4609 Marx Wang      Wed Oct 4 19:45:11 2023 +0800    W04-P1: Connect
database wp1_demo_46
```