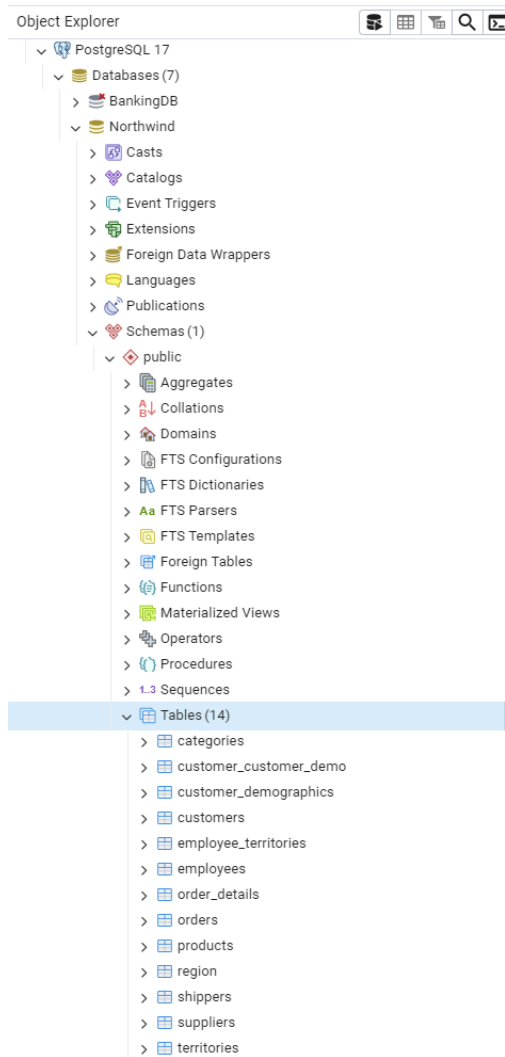


Name: Nguyễn Ngọc Minh Thư  
IRN: 2232300163  
Date: 06/02/2026  
Assignment week 6

## Part 1 — Setup Database



## Part 2 — SQL Practice Questions

### Question 1 — Simple SQL (Single Table)

Show all products that cost more than **\$20**

**Expected skills:** SELECT, WHERE

```

10
11 -- Question 1: Show all products that cost more than $20
12
13 SELECT product_id, product_name as products_price_more_than_20, unit_price
14 from products
15 where unit_price > 20;
16

```

	product_id [PK] smallint	products_price_more_than_20 character varying (40)	unit_price real
1	4	Chef Anton's Cajun Seasoning	22
2	5	Chef Anton's Gumbo Mix	21.35
3	6	Grandma's Boysenberry Spread	25
4	7	Uncle Bob's Organic Dried Pears	30
5	8	Northwoods Cranberry Sauce	40
6	9	Mishi Kobe Niku	97
7	10	Ikura	31
8	11	Queso Cabrales	21
9	12	Queso Manchego La Pastora	38
10	14	Tofu	23.25
11	17	Alice Mutton	39
12	18	Carnarvon Tigers	62.5
13	20	Sir Rodney's Marmalade	81
14	22	Gustaf's Knäckebröd	21
15	26	Gumbär Gummibärchen	31.23
16	27	Schoggi Schokolade	43.9

Total rows: 37 Query complete 00:00:00.056 CRLF Ln 10, Col 1

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→ There are 37 products costing more than \$20

## Question 2 — JOIN Two Tables

Display the **Order ID, Customer Company Name, and Order Date**

You must join:

- orders
- customers

**Expected skills:** INNER JOIN, foreign keys

```

15 -- Question 2
16 -- Display the Order ID, Customer Company Name, and Order Date
17 -- This query joins the orders and customers tables using the customer_id foreign key
18
19 SELECT
20     o.order_id,
21     c.company_name,
22     o.order_date
23 FROM orders o
24 INNER JOIN customers c
25     ON o.customer_id = c.customer_id;

```

	order_id smallint	company_name character varying (40)	order_date date
1	10248	Vins et alcools Chevalier	1996-07-04
2	10249	Toms Spezialitäten	1996-07-05
3	10250	Hanari Carnes	1996-07-08
4	10251	Victualies en stock	1996-07-08
5	10252	Suprêmes délices	1996-07-09
6	10253	Hanari Carnes	1996-07-10
7	10254	Chop-suey Chinese	1996-07-11
8	10255	Richter Supermarket	1996-07-12
9	10256	Wellington Importadora	1996-07-15
10	10257	HILARION-Abastos	1996-07-16
11	10258	Ernst Handel	1996-07-17
12	10259	Centro comercial Moctezuma	1996-07-18
13	10260	Ottlies Käseladen	1996-07-19
14	10261	Que Delicia	1996-07-19
15	10262	Rattlesnake Canyon Grocery	1996-07-22
16	10263	Ernst Handel	1996-07-23

Total rows: 830 Query complete 00:00:00.075 CRLF Ln 19, Col 1

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Question 3 — Connect to Power BI

Import the **orders** table into **Power BI** and create a simple visualization.

