#### 1. Table Creation

```
Detach file from Container database | ▶Run on active connection | ≡ Select block
 1
       CREATE TABLE menu (
           restaurant_id INT NOT NULL,
 2
 3
           item_name VARCHAR(100) NOT NULL,
 4
           price DECIMAL(10, 2) NOT NULL,
 5
           description TEXT,
 6
           PRIMARY KEY (restaurant id, item name),
 7
           FOREIGN KEY (restaurant_id) REFERENCES restaurant(id));
PROBLEMS
          OUTPUT
                  DEBUG CONSOLE
                                    TERMINAL
                                               PORTS 3
                                                                  SQL CONSOLE
                                                                                COMMENTS
                                                          AZURE
 CREATE successfully executed. 9:46:11 AM
```

### 2. Sample Data Insertion

```
Detach file from Container database I ▶ Run on active connection I = Select block
       INSERT INTO restaurant (id, name, street_address, description)
       VALUES

    'Warteg Bahari', 'Jl. A', 'Simple restaurant that you can order food via touchscreen technology'),
    'Warung Bakso', 'Jl. B', 'Restaurant specialized in making a delicacy from meatballs'),

  3
       (3, 'Warung Masakan Nusantara', 'Jl. C', 'Restaurant with Indonesian food');
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS 3 AZURE
                                                                      SQL CONSOLE
                                                                                    COMMENTS
 INSERT successfully executed. 3 rows were affected. 9:48:12 AM
        Detach file from Container database | ▶Run on active connection | = Select block
  1
        INSERT INTO menu (restaurant_id, item_name, price, description)
         (1, 'Ayam', 1.00, 'Fried chicken.'),
  3
        (1, 'Nasi', 0.50, 'Rice.'),
  4
        (1, 'Sayur', 0.75, 'Vegetables.'),
        (2, 'Bakso Komplet', 3.00, 'Meatball with noodle.'),
  6
        (2, 'Mi Ayam Bakso', 3.50, 'Noodle with chicken and meatball.'),
  7
        (2, 'Bakso Rudal', 4.00, 'Meatball with ground meat fillings.'),
        (3, 'Nasi Goreng', 5.00, 'Simple fried rice with eggs.'),
        (3, 'Nasi Goreng Rendang', 7.50, 'Fried rice with beef curry.'),
 10
        (3, 'Ayam Betutu', 10.00, 'Whole roasted chicken.');
 11
PROBLEMS
            OUTPUT DEBUG CONSOLE TERMINAL
                                                         PORTS 3
                                                                     AZURE
                                                                                SQL CONSOLE
                                                                                                COMMENTS
  INSERT successfully executed. 9 rows were affected. 9:49:25 AM
         Detach file from Container database | ▶Run on active connection | = Select block
        INSERT INTO review (id, restaurant, user_name, rating, review_text, review_date)
  1
        VALUES
  2
        (1, 1, 'Budi', 4, 'Great and fast food serving','2025/03/10'),
        (2, 1, 'Jono', 3, 'Wide variety to choose', '2025/03/10'),
        (3, 1, 'Asep', 5, 'Delicious', '2025/03/10'),
        (4, 1, 'Vika', 3, 'Crowded', '2025/03/10'),
        (5, 1, 'Citra', 2, 'Unhygiene','2025/03/10'),
(6, 2, 'Budi', 5, 'Amazing!','2025/03/11'),
  7
  8
        (7, 2, 'Jono', 4, 'Had a wild mouth experience here','2025/03/11'), (8, 2, 'Asep', 5, 'Delicious','2025/03/11'), (9, 2, 'Vika', 2, 'Waited too long','2025/03/11'),
  9
 10
 11
         (10, 2, 'Citra', 4, 'The soup is rich','2025/03/11'),
 12
        (10, 2, Citra, 4, The soup is Fich, 2025/03/11),

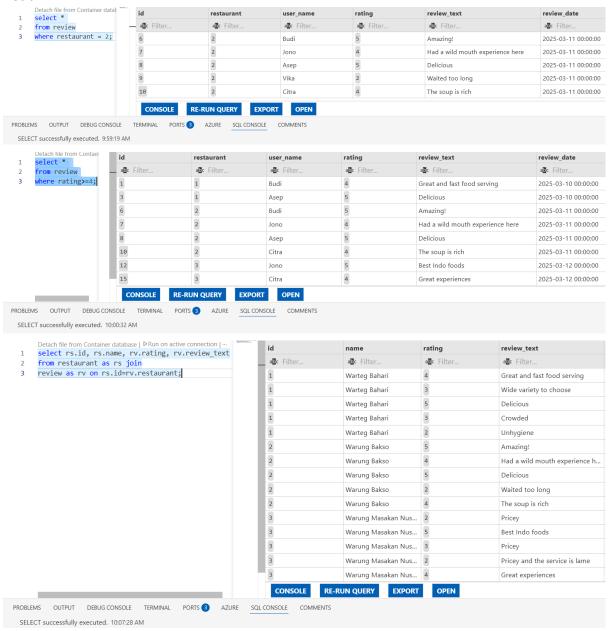
(11, 3, 'Budi', 2, 'Pricey', '2025/03/12'),

(12, 3, 'Jono', 5, 'Best Indo foods', '2025/03/12'),

(13, 3, 'Asep', 3, 'Pricey', '2025/03/12'),

(14, 3, 'Vika', 2, 'Pricey and the service is lame', '2025/03/12'),
 13
 14
 15
 16
        (15, 3, 'Citra', 4, 'Great experiences','2025/03/12');
 17
             OUTPUT DEBUG CONSOLE TERMINAL
                                                         PORTS 3
                                                                     AZURE
                                                                                SOL CONSOLE
                                                                                                COMMENTS
  INSERT successfully executed. 15 rows were affected. 9:53:21 AM
```

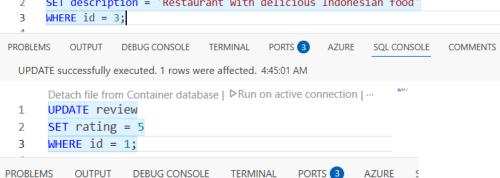
#### 3. Read



#### 4. Update

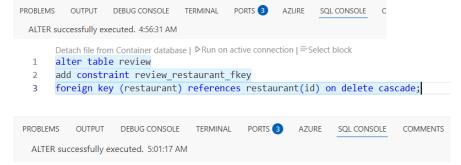
Detach file from Container database | ▶Run on active connection | ≡Select block

- 1 **UPDATE** restaurant
- SET description = 'Restaurant with delicious Indonesian food' 2



UPDATE successfully executed. 1 rows were affected. 4:46:58 AM





# Delete cascade (foreign key in the table "menu" is also changed)

Detach file from Container database | ▶Run on active connection | ·· \*\*

- 1 delete from restaurant
- where id=3;

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS 3 AZURE

DELETE successfully executed. 1 rows were affected. 5:05:48 AM

## No more review for restaurant with the id of 3

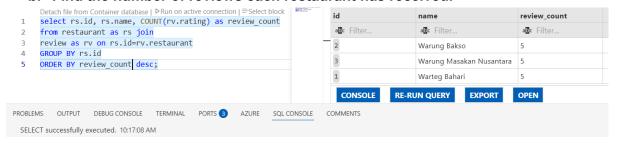


#### 6. Additional Queries

a. Find the highest-rated restaurant based on the average rating of all its reviews.

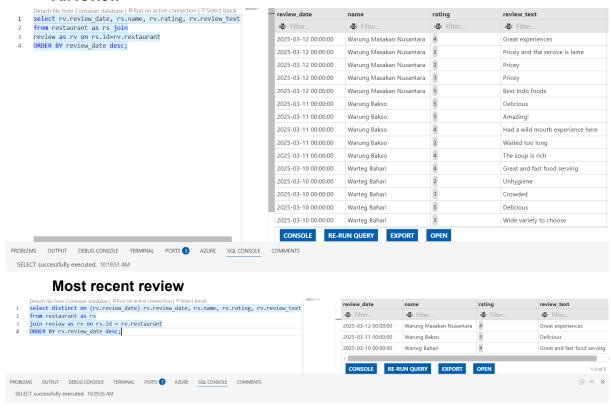


b. Find the number of reviews each restaurant has received.



c. Display the most recent review for each restaurant.

All review



<sup>\*</sup> Query update dan delete dikerjakan terakhir