



Chapter 5 Exercise

Sales management data retrieving (1)

- Execute the following query using the three tables: customers, items, and sales
 1. Show the name and price of the cheapest items
 2. Show the latest 10 sales information using only the sales table
 - Show all items

¥d table name
Confirm table
definition

customers

id	(SERIAL)
name	(TEXT)
email	(TEXT)
phone	(TEXT)
address	(TEXT)

sales

id	(SERIAL)
customer_id	(INTEGER)
item_id	(INTEGER)
number	(INTEGER)
time	(TIMESTAMP(0))

items

id	(SERIAL)
name	(TEXT)
price	(INTEGER)
description	(TEXT)



Chapter 5 Exercise

Sales management data retrieving (2)

3. Show the following items for the latest 10 sales information
Sales ID `sales.id`, Customer name `customers.name`,
Customer email `customers.email`, Number of sales `sales.number`
✂The `customer_id` column of the `sales` table and the `id` column of the `customers` table are the same item

4. Show the following items for the latest 10 sales information
Sales ID `sales.id`, Customer name `customers.name`,
Product name `items.name`, Product unit price `items.price`,
Number of units sold `sales.number`
(Please use an alias for the product name and customer name.)
✂The `item_id` column of the `sales` table and the `id` column of the `items` table are the same item



Chapter 5 Exercise

Sales management data retrieving (3)

5. Show the number of sales in May 2017
6. Show a list of products sold in May 2017
7. Show customer names and the number of orders per customer, sorted by descending number of orders

<u>customers</u>	
id	(SERIAL)
name	(TEXT)
email	(TEXT)
phone	(TEXT)
address	(TEXT)

<u>sales</u>	
id	(SERIAL)
customer_id	(INTEGER)
item_id	(INTEGER)
number	(INTEGER)
time	(TIMESTAMP(0))

<u>items</u>	
id	(SERIAL)
name	(TEXT)
price	(INTEGER)
description	(TEXT)



Chapter 5 Exercise Sales management data retrieving (4)

Challenge exercise

8. Please answer question 7 using the WITH clause
9. Please produce a list of daily sales totals in the sales table
✂Date/time data types are covered in Chapter 3
10. Produce a list of the daily sales totals for the sales table from January 1, 2017 to March 31, 2017.
"0" will be output on days with no sales.