



EXERCISES — Lab Management - 1

version #



IT IS MY JOB TO MAKE SURE YOU DO YOURS.

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1 Lab Management - 1

Files to submit:

- lab_management_1/req01.sql
- lab_management_1/req02.sql
- lab_management_1/req03.sql
- lab_management_1/req04.sql
- lab_management_1/req05.sql
- lab_management_1/req06.sql
- lab_management_1/req07.sql

Provided files:

- lab_management_1/schema.sql
- lab_management_1/data.sql

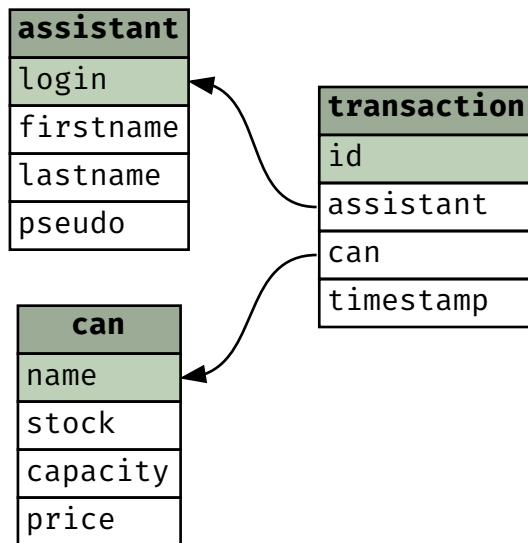
1.1 Goal

In this exercise, you will be asked to help Valérien Fayt to manage the products sold in the Assistants' Laboratory.

1.1.1 Tables

Look at the `schema.sql` to fully understand what is expected of you.

1.1.2 Relationships



1.1.3 Exercises

Below is the list of exercises you must submit. If the type of ordering is not specified, then it must be ascending.

req01.sql

Display the name, the stock and the price of the cans. These must be ordered by name.

name	stock	price
Canada Dry	10	0.85
CandyUp	100	0.50
Coca-Cola	200	0.70
Fanta	130	0.70
Monster	30	1.40
Oasis	100	0.70
Orangina	125	0.70
Perrier	40	0.70
Redbull	50	1.70
(9 rows)		

req02.sql

Display the number of cans bought by julien.clement.

count
3

(1 row)

req03.sql

Display the price of a CandyUp. All prices must be rounded to the cent.

price
0.50

(1 row)

req04.sql

Display the logins of the assistants that bought at least one can of Coca-Cola. Logins must appear only once. The results must be ordered by login.

assistant
nicolas.guerguadj
thomas.joubert

(2 rows)

req05.sql

Retrieve the most recent transaction. Display the login of the buyer, the can name and the timestamp for this transaction.

id	assistant	can	timestamp
18	thomas.joubert	Canada Dry	2021-12-25 14:11:00

(1 row)

req06.sql

Display the logins of the assistants that never bought any can, ordered alphabetically.

```
login
-----
hoppy
login_x
(2 rows)
```

req07.sql

Display the three assistants that spent the most money on cans, followed by the total cash they spent.

```
assistant | price
-----+-----
thomas.joubert | 6.20
nicolas.guerguadj | 3.80
julien.clement | 2.10
(3 rows)
```

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