EXERCISES — Agency Network - 2

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Provided files:

- agency_network_2/schema.sql
- agency_network_2/data.sql

Main function: required

1.1 Goal

This exercise is a continuation of `agency_network_1`.

Go check this exercise for more information about the databases.

Exercises

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

`req12-1.sql:`

Add a destination to the *Palladia hotel* in Toulouse, France. It must have the *FR10* acronym.

`req12-2.sql:`

You added a destination with the *FR10* acronym. But now, listing your destinations by acronym does not look like anything anymore, and it annoys you. You want to be able to list them in an ordered fashion. Select acronyms, in an 'acronym' column, with a padding zero for acronym numbers that have only one digit. Order by acronym, obviously.

Example:

```
 acronym
---------
 DO01
 ES01
 ES02
 FR01
 FR02
 FR03
 FR04
 FR05
 FR06
 FR07
 FR08
 FR09
 FR10
 GP01
 GP02
 IN01
 IN02
 MU01
 RU01
 TR01
 UA01
(21 rows)
```

`req13-1.sql:`

Your agency got two new partnerships with hotels. Thus, you have to add both hotels in the database. The first one is named *Sofitel*, and is at the following address: *45 W 44th St, New York, NY 10036, USA*. It possesses 500 rooms. The second one is named *Sofitel Shanghai Hyland*, and is at the following address: *505 Nanjing E Rd, NanJing Lu, Huangpu Qu, China, 200001*. It possesses 555 rooms.

`req13-2.sql:`

With the new hotels, you got a new destination to add to your database. Its *acronym* must be *US1*. The destination is in the 'United States of America', in 'New York City'. It must also reference the id of the hotel named *Sofitel*, the one you added before.

`req14.sql:`

Insert a reservation at the name of *Lopez*, from the '2019-10-11' to the '2019-10-29', to New Delhi. This reservation is for 3 people and has been booked by the employee named Parker, on the date '2019-08-27' at 15:40:12.

`req15.sql:`

An error occurred in the reservation time of the booking made the 10th of February, 2019. A typical work day should be from 8 to 12 and from 14:30 to 18. Find the mistake and correct it. There is only one good answer.

`req16.sql:`

A duplicate found itself in the customers list. Update any references from the customer named 'de Villardière' to the one named 'De Villardière' and remove the first one.

`req17.sql:`

Your deputy director thought it would be a good idea to change your agency rating system formerly from a 1 to 5 to a system from 1 to 10, and already added new agencies using the new system with codes 101, 212 and 213. Unfortunately, he did not update the already existing agencies. Update ratings of agencies that still use the old system.

Going further

Beware, for the next two requests you will need the join notion. We advise you to read its documentation. Those two requests are an introduction to this notion that will be explored further in the second tutorial.

`req18.sql`:

It is time for promotions. You want to display the surname, name and email address of all employees of all your agencies whose ratings are strictly over 6.0. Order by surname, then name, then email.

Example:

```
 surname | name |           email
---------+------+-------------------------
 Bonneau | Jean | jean.bonneau@wanadoo.fr
 Donald  | Mac  | mcdonalds@gmail.com
(2 rows)
```

`req19.sql`:

Customers want to see information about their top destination. Thus, you want to display the surname and name of the customers, followed by the destination, that is the country and the city separated by a comma followed by a space, and finally the name of the destination's hotel. Order by surname, name, destination, and hotel.

Example:

```
    surname      |    name    |           destination           |           hotel
-----------------+------------+---------------------------------+----------------------------
 Anderson        | Pamela     | Guadeloupe, Le Gosier           | Hôtel Canella Beach
 De Villardière  | Quitterie  | Ukraine, Mykolaivs'ka oblast    | Ukrayins'kyy Palats
 Gmail           | Arnaud     | France, Lille                   | Balladins
 Latour          | Marc       | Espagne, Calvià                 | OD Port Portals
 Lopez           | Jean       | Guadeloupe, Le Gosier           | Hôtel Fleur d'Épée
 Sam             | Sam        | Russie, Sochi                   | Hotel Mercure Sochi Centre
 Thepooth        | Winnie     | Espagne, Calvià                 | OD Port Portals
(7 rows)
```

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