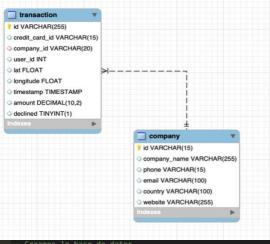
SPRINT 1

Level 1 Exercise 1



```
CREATE TABLE IF NOT EXISTS company

CREATE TABLE IF NOT EXISTS company (

id VARCHAR(15) PRIMARY KEY,
company_name VARCHAR(255),
phone VARCHAR(100),
country VARCHAR(100),
website VARCHAR(255)
);

-- Creamos la tabla transaction

CREATE TABLE IF NOT EXISTS transaction (

id VARCHAR(15),
email VARCHAR(100),
website VARCHAR(255)
);

-- Creamos la tabla transaction

CREATE TABLE IF NOT EXISTS transaction (

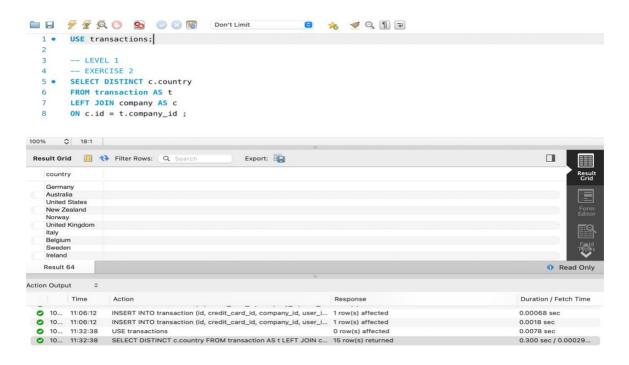
id VARCHAR(255) PRIMARY KEY,
credit_card_id VARCHAR(15), -- <-Removed the reference to a table that does not exist
company_id VARCHAR(20),
user_id INT, -- <-Removed the reference to a table that does not exist
lat FLOAT,
longitude FLOAT,
timestamp TIMESTAMP,
amount DECIMAL(10, 2),
declined BOOLEAN,
FOREIGN KEY (company_id) REFERENCES company(id)

);
```

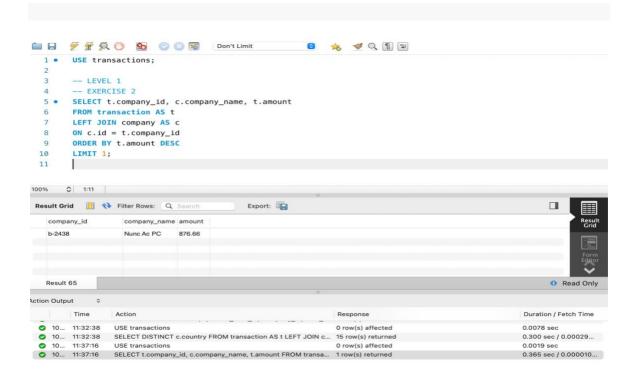
For this exercise I just removed the reference to credit_card and user_id in the CREATE TABLE transaction query because it was referring to two tables that do not exist. After that I ran the queries in MySQL Workbench and it worked perfect also doing the data insertion.

Another solution for this exercise would be creating the two missing tables, extract the data to insert into the two new tables and then create and insert the data into the transaction table.

Level 1 Exercise 2



o From how many countries are sales generated? 15



 Level 1 Exercise 3 □ □ ♥ ∰ ∅ ○ ⊗ ○ ○ □ Don't Limit □ ⅙ ♥ ○ ¶ □

1 • USE transactions; USE transactions; -- EXERCISE 3 4 -- EXERCISE 3
5 • SELECT *
6 FROM transaction
7 • WHERE company_id IN (SELECT id FROM company WHERE country = 'Germany'); 100% 🗘 32:10 Edit: 🚄 📸 🕦 Export/Import: 📳 📸 Fetch rows: company_id b-2222 b-2222 b-2222 b-2222 b-2222 b-2222 Result Id credit_card...

00201A11-2E62-44C4-941D-198FC8DB77F0 CU-3512

00235618-0A8C-4D49-9DCB-83A9405D8923 CS-8137

005ASA78-1F1A-4B8C-9B15-1825A78C9C38 CS-8998

0087139-4882-4FFA-827-875-820376704A84 CS-8091

0074F4DD-32F1-4827-4758-53898314623A CS-8091

00AA88CD-99D6-4DCB-4A1D-138E7-3DC90A08 CS-6091 transaction 66 Action Output Duration / Fetch Time 0.0019 sec 0.365 sec / 0.000010... 0.00077 sec 0.036 sec / 0.102 sec □ □ ♥ ♥ Q O ® O O ® Don't Limit □ ★ ♥ Q ¶ □

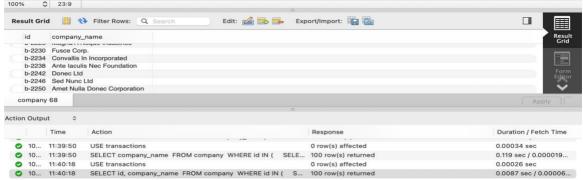
1 • USE transactions; -- LEVEL 1 -- EXERCISE 3 5 • SELECT company_name FROM company ⊖ WHERE id IN (SELECT company_id FROM transaction WHERE amount > (SELECT AVG(amount) FROM transaction)); 11 100% \$ 28:12 Export: company_name Result Grid Fusce Corp.

Convallis In Incorporated
Ante laculis Nec Foundation
Donec Ltd
Sed Nunc Ltd
Amet Nulla Donec Corporation Read Only company 67 Action Output 0 Action Time Response **Duration / Fetch Time** 0.00077 sec 0.036 sec / 0.102 sec 0.00034 sec 0.119 sec / 0.000019... 11:39:19
 10...
 11:39:19
 USE transactions
 0 row(s) affected

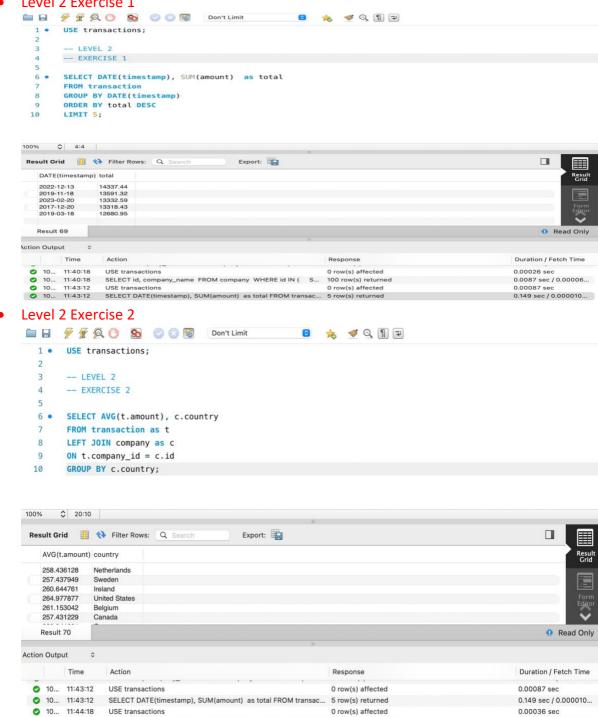
 10...
 11:39:19
 SELECT * FROM transaction WHERE company_id IN (SELEC...
 SELECT...
 13291 row(s) returned

 0 10...
 11:39:50
 USE transactions
 0 row(s) affected
 0 row(s) affected

 10...
 11:39:50
 SELECT company_name FROM company WHERE id IN (SELE...
 100 row(s) returned
 🛅 🔒 🥖 🙀 👰 🕛 🚳 🕢 🐼 Don't Limit 1 • USE transactions; -- LEVEL 1 -- EXERCISE 3 5 • SELECT id, company_name FROM company 7 WHERE id IN (8 SELECT company_id FROM transaction); 9 10 100% 🗘 23:9 Result Grid 📗 💎 Filter Rows: Q Search Edit: 🍊 🖶 🖶 Export/Import: 🛄 🐻 Result Grid



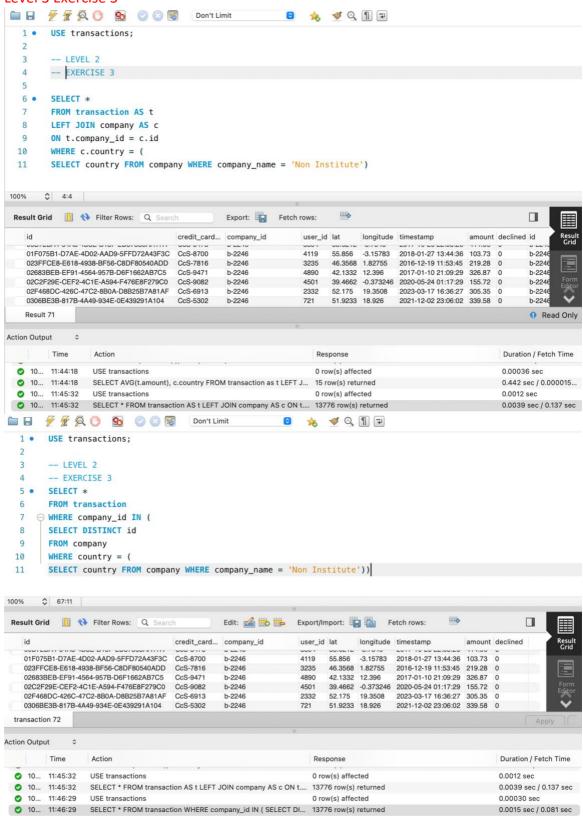




0.442 sec / 0.000015...

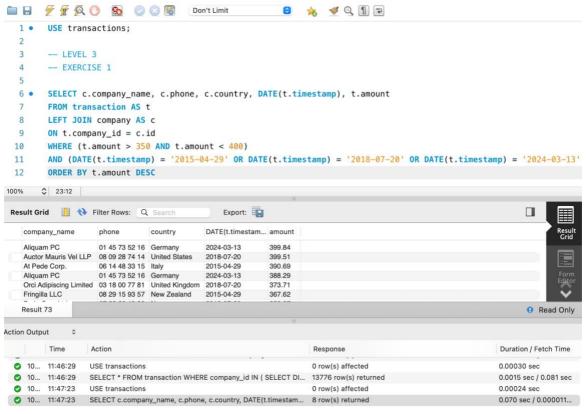
2 10... 11:44:18 SELECT AVG(t.amount), c.country FROM transaction as t LEFT J... 15 row(s) returned

Level 3 Exercise 3

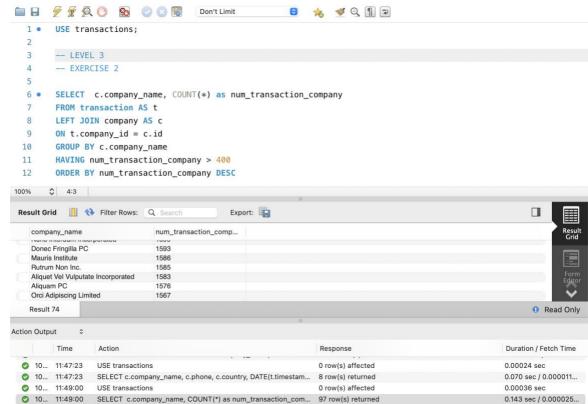


Level 3 Exercise 1

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Level 3 Exercise 2



Github URL

https://github.com/andre-mazus/DataAnalysisSpecialization/blob/main/sprint 1_exercises.sql