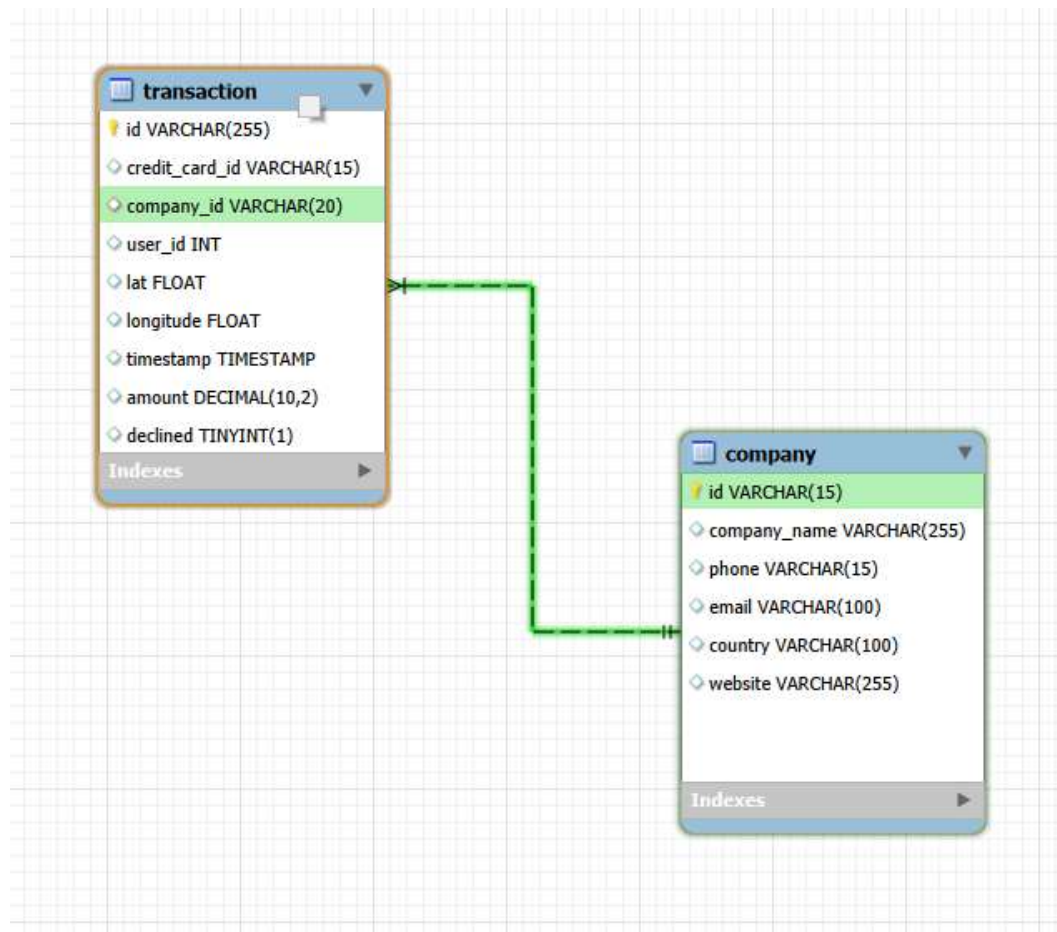


## NIVEL 1

### Ejercicio 1



La BBDD está compuesta por dos tablas principales: **company** y **transaction**, relacionadas entre sí mediante una clave foránea. El tipo de relación es de 1:N (uno a muchos). Se incluyen distintos tipos de datos: VARCHAR, INT, FLOAT, TIMESTAMP, DECIMAL, TINYINT.

La tabla **company** tiene como PRIMARY KEY el identificador **id VARCHAR(15)** que es único para cada empresa.

Por otro lado, la tabla **transaction** tiene como PRIMARY KEY **id VARCHAR(255)** que corresponde al identificador único de la transacción y como FOREIGN KEY **company\_id VARCHAR(20)** que hace referencia a **company.id**.

### Ejercicio 2

Para comprobar que la base de datos funciona correctamente, probamos el siguiente código:

```
SELECT *
```

```
FROM transactions.company;
```

estructura datos dades\_introduir\_sprint2 SQL File 6\*

```

1 • USE transactions;
2
3 • SELECT *
4 FROM transactions.company;
5

```

id	company_name	phone	email	country	website
b-2222	Ac Fermentum Incorporated	06 85 56 52 33	donec.porttitor.tellus@yahoo.net	Germany	https://instagram.com/site
b-2225	Magna A Nique Industries	04 14 44 64 62	risus.donec.nibh@icloud.org	Australia	https://whatsapp.com/group/9
b-2230	Fusce Corp.	08 14 97 58 85	risus@protonmail.edu	United States	https://pinterest.com/sub/cars
b-2234	Convalis In Incorporated	06 66 57 29 50	mauris.ut@aol.co.uk	Germany	https://cnn.com/user/110
b-2238	Ante Iaculis Nec Foundation	08 23 04 99 53	sed.dictum.proin@outlook.ca	New Zealand	https://netflix.com/settings
b-2242	Donec Ltd	01 25 51 37 37	at.iaculis@hotmail.co.uk	Norway	https://nytimes.com/user/110
b-2246	Sed Nunc Ltd	02 62 64 73 48	nibh@yahoo.org	United Kingdom	https://cnn.com/one
b-2250	Amet Nunc Donec Corporation	07 15 25 14 74	mattis.integer.eu@protonmail.net	Italy	https://netflix.com/sub/cars
b-2254	Nascetur Ridiculus Mus Inc.	06 26 87 61 84	suspendisse.dui@icloud.net	United States	https://ebay.com/sub
b-2258	Vestibulum Lorem PC	02 02 87 33 40	aenean.massa.integer@aol.net	Belgium	https://pinterest.com/sub/cars
b-2262	Gravida Sagittis LLP	03 81 28 33 97	turpis.vitae@google.ca	Sweden	https://naver.com/site
b-2266	Mus Aenean Eget Foundation	06 25 15 52 43	mi.duis@hotmail.net	Sweden	https://instagram.com/group/9

Vertical Output Vertical Output Vertical Output Vertical Output company 1 x Apply Revert

Output

Action Output

#	Time	Action	Message	Duration / Fetch
100107	01:08:49	SELECT * FROM company	100 row(s) returned	0.000 sec / 0.000 sec
100108	01:08:53	SELECT * FROM company	100 row(s) returned	0.000 sec / 0.000 sec

- Listado de los países que están generando ventas:

estructura datos dades\_introduir\_sprint2 SQL File 6\*

```

1 • USE transactions;
2
3 • SELECT *
4 FROM transactions.company;
5
6 • SELECT DISTINCT c.country
7 FROM company c
8 JOIN transaction t
9 ON c.id=t.company_id;

```

country
Germany
Australia
United States
New Zealand
Norway
United Kingdom
Italy
Belgium
Sweden
Ireland
China
Canada
France
Netherlands
Spain

Vertical Output Vertical Output Vertical Output Vertical Output Result 2 x Read Or

Output

Action Output

#	Time	Action	Message	Duration / Fetch
100108	01:08:53	SELECT * FROM company	100 row(s) returned	0.000 sec / 0.000 sec
100109	01:09:17	SELECT * FROM transactions.company	100 row(s) returned	0.000 sec / 0.000 sec

Aquí se usa el SELECT DISTINCT para obtener los países únicos que tienen al menos una transacción registrada. Para cruzar los datos y obtener sólo los que tienen coincidencias en ambas tablas usamos JOIN (INNER JOIN).

#### - Desde cuántos países se generan las ventas

The screenshot shows a SQL IDE interface with a query editor and a results pane. The query editor contains the following SQL code:

```
1 • USE transactions;  
2  
3 • SELECT *  
4 FROM transactions.company;  
5  
6 • SELECT DISTINCT c.country  
7 FROM company c  
8 JOIN transaction t  
9 ON c.id=t.company_id;  
10  
11 • SELECT COUNT(DISTINCT c.country) AS total_paises  
12 FROM company c  
13 JOIN transaction t  
14 ON c.id=t.company_id;
```

The results pane shows a single row with the value 15 for the column total\_paises.

total_paises
15

The bottom pane shows the Action Output table with the following data:

#	Time	Action	Message	Duration / Fetch
100109	01:09:17	SELECT * FROM transactions.company	100 row(s) returned	0.000 sec / 0.000 sec
100110	01:09:50	SELECT * FROM transactions.transaction	100000 row(s) returned	0.000 sec / 0.234 sec

- Identifica la empresa con la media más grande de ventas

The screenshot shows a SQL IDE window with a query editor and a results grid. The query is as follows:

```
11 ON c.id=t.company_id;
12
13 # Desde cuántos países se generan ventas
14 • SELECT COUNT(DISTINCT c.country) AS total_paises
15 FROM company c
16 JOIN transaction t
17 ON c.id=t.company_id;
18
19 # Identifica la empresa con la media más grande de ventas
20 • SELECT c.company_name, AVG(t.amount) AS media_ventas
21 FROM company c
22 JOIN transaction t
23 ON c.id=t.company_id
24 GROUP BY c.company_name
25 ORDER BY media_ventas DESC
26 LIMIT 1;
27
```

The results grid shows the following data:

company_name	media_ventas
Ac Fermentum Incorporated	284.867160

The IDE interface includes a toolbar at the top, a sidebar on the right with icons for Result Grid, Form Editor, Field Types, and Query Stats, and a bottom panel showing the Action Output log.

En esta consulta se introduce la función AVG para obtener la media o promedio de la columna **amount**, se agrupa por nombre de la empresa, se ordena de forma descendente y se limita al primer registro mediante LIMIT 1.

### Ejercicio 3

- Muestra todas las transacciones realizadas por empresas de Alemania

estructura dades dades\_introduir\_sprint2 SQL File 6\*

```

21 • SELECT c.company_name, AVG(t.amount) AS media_ventas
22 FROM company c
23 JOIN transaction t
24 ON c.id=t.company_id
25 GROUP BY c.company_name
26 ORDER BY media_ventas DESC
27 LIMIT 1;
28
29 # EJERCICIO 3 UTILIZANDO SÓLO SUBCONSULTAS (SIN UTILIZAR JOIN)
30 # Muestra todas las transacciones realizadas por empresas de Alemania
31 • SELECT *
32 FROM transaction
33 WHERE company_id IN (
34     SELECT id
35     FROM company
36     WHERE country = 'Germany'
37 );

```

Result Grid

	id	credit_card_id	company_id	user_id	lat	longitude	timestamp	amount	c
▶	00138D3B-206D-4C03-94B7-63A2676EB9B4	CcS-4899	b-2222	318	41.3781	12.447	2020-03-25 10:43:43	426.36	0
	0013C1B6-3B84-4D6C-8154-E2B3FEBCA8E9	CcS-5070	b-2222	489	41.3814	2.18176	2020-12-17 18:15:37	316.90	0
	00201A11-2E62-44C4-941D-198FC8D877F0	CdJ-3512	b-2222	193	55.5704	-3.65129	2021-01-22 23:44:27	453.04	0
	00235618-0A5C-4D49-9DCB-B3A9405D8923	CcS-8137	b-2222	3556	59.8421	18.729	2020-09-09 15:43:19	263.14	0
	005A5A7B-1F1A-4B6C-9B15-1625A78C9C38	CcS-8998	b-2222	4417	41.1591	-8.63905	2024-05-15 09:10:11	442.01	0
	00687139-48B2-4FFA-8E73-B20376F04AB4	CcS-4870	b-2222	289	51.1966	10.4669	2019-03-09 19:37:49	524.84	0
	0074F4DD-32F1-4827-8758-55896314623A	CcS-8081	b-2222	3500	39.7016	-8.50325	2016-12-26 23:06:57	491.90	0
	00AAB9CD-39D6-4DCB-8A1D-138E73DC90A9	CcS-6797	b-2222	2216	55.7652	-3.76245	2021-04-25 03:06:59	167.15	0
	00BE09D4-6920-47D8-ABE8-325E2269829D	CcS-4983	b-2222	402	38.708	-9.12993	2019-02-27 15:25:16	141.66	0
	00DA0383-E048-4577-8ED1-3C56C258FF2F	CcS-9223	b-2222	4642	51.1742	10.2027	2019-03-21 11:47:34	325.62	0
	00DD11DE-ED01-4BBD-93A0-174D183A59DF	CcS-7681	b-2222	3100	45.7565	4.83109	2024-01-28 18:20:49	242.53	0
	01449CE0-98E9-4DE5-9810-728C68A00E6F	CcS-5424	b-2222	843	47.0163	2.26064	2024-02-17 19:37:14	451.71	0
	0175E8C7-241E-42DA-A8B9-9F246D8F4D2F	CcS-7510	b-2222	2929	52.0619	4.29464	2021-08-28 16:29:38	9.46	0
	01ABDAB8-06E2-4CA0-A131-AEE6FF11B749	CcS-5053	b-2222	472	51.7738	5.17479	2020-01-28 01:15:07	368.41	0
	01F1C7ED-0823-442D-AE0E-3134D5004866	CcS-6776	b-2222	2195	59.6697	18.6697	2022-12-17 09:40:14	168.79	0
	01FAB061-18C8-441B-087C-450AA3F06007	CcS-5531	b-2222	050	55.3405	-3.3863	2020-04-30 08:57:27	333.45	0

Vertical Output Vertical Output Vertical Output Vertical Output transaction 8 x Apply

Output

Action Output

#	Time	Action	Message	Duration / Fetch
100114	01:10:48	SELECT * FROM transactions.company	100 row(s) returned	0.000 sec / 0.000 sec
100115	01:14:27	USE transactions	0 row(s) affected	0.000 sec

En esta consulta primero realizamos una subconsulta para delimitar el país 'Germany'. Una vez acotado el país, la introducimos en la OUTER QUERY mediante la FOREIGN KEY **company\_id** en la tabla **transaction** que la vincula a la PRIMARY KEY **id** en la tabla **company**.

- Lista de las empresas que han realizado transacciones por un amount superior a la media de todas las transacciones

The screenshot shows a SQL IDE interface with a query editor at the top and a results pane at the bottom. The query editor contains the following SQL code:

```
34 SELECT id
35 FROM company
36 WHERE country = 'Germany'
37 );
38
39 # Lista de las empresas que han realizado transacciones por un "amount" superior a la
40 # media superior de todas las transacciones
41 • SELECT company_name
42 FROM company
43 WHERE id IN (
44     SELECT company_id
45     FROM transaction
46     WHERE amount > (
47         SELECT AVG(amount)
48         FROM transaction
49     )
50 );
```

The results pane displays a table with the following data:

company_name
Ac Fermentum Incorporated
Magna A Neque Industries
Fusce Corp.
Convallis In Incorporated
Ante Iaculis Nec Foundation
Donec Ltd
Sed Nunc Ltd
Amet Nulla Donec Corporation
Nascetur Ridiculus Mus Inc.
Vestibulum Lorem PC
Gravida Sagittis LLP
Mus Aenean Eget Foundation
Dis Parturient Institute
Sed LLC
Arcu LLP
Pretium Neque Corp.
Erinella LLC

The bottom of the interface shows an 'Action Output' table with the following data:

#	Time	Action	Message	Duration / Fetch
100115	01:14:27	USE transactions	0 row(s) affected	0.000 sec
100116	01:14:27	SELECT * FROM transactions.company	100 row(s) returned	0.000 sec / 0.000 sec



- Eliminarán del sistema las empresas que no tienen transacciones registradas, entrega el listado de estas empresas.

The screenshot shows a SQL IDE window with a query editor and a results pane. The query editor contains the following SQL code:

```
44 SELECT company_id
45 FROM transaction
46 WHERE amount > (
47     SELECT AVG(amount)
48     FROM transaction
49 )
50 );
51
52 # Eliminarán del sistema las empresas que no tienen transacciones registradas, entrega el listado
53 # de estas empresas
54 SELECT company_name
55 FROM company
56 WHERE id IN (
57     SELECT DISTINCT company_id
58     FROM transaction
59     WHERE company_id IS NULL
60 );
```

The results pane shows a table with one column, `company_name`. The bottom pane shows the execution log with two actions:

#	Time	Action	Message	Duration / Fetch
100122	02:31:28	SELECT * FROM transaction WHERE company_id IN ( S...	13291 row(s) returned	0.000 sec / 0.078 sec
100123	02:32:06	SELECT * FROM transaction WHERE company_id IN ( S...	13291 row(s) returned	0.000 sec / 0.078 sec

En este caso se buscarán las empresas que no tengan registradas transacciones mediante IS NULL dentro de una subconsulta.

## NIVEL 2

### Ejercicio 1

Identifica los cinco días que se generaron la cantidad más grande de ingresos a la empresa por ventas. Muestra la fecha de cada transacción junto con el total de las ventas.

estructura datos Sprint 2

```

62  })
63
64  # NIVEL 2
65
66  # EJERCICIO 1: Identifica los cinco días que se generaron la cantidad más grande de ingresos a la empresa por ventas.
67  # Muestra la fecha de cada transacción junto con el total de las ventas.
68
69  SELECT DATE(timestamp) AS fecha, SUM(amount) AS total_ingresos
70  FROM transaction
71  WHERE company_id IS NOT NULL
72  GROUP BY fecha
73  ORDER BY total_ingresos DESC
74  LIMIT 5;
75

```

Result Grid

fecha	total_ingresos
2022-12-13	14337.44
2019-11-18	13591.32
2023-02-20	13332.59
2017-12-20	13318.43
2019-03-18	12680.95

Result 13 x

Output

#	Time	Action	Message	Duration / Fetch
22	12:20:12	SELECT DATE(timestamp) AS fecha, SUM(amount) AS total_ingresos FROM transaction WHERE company_id IS NOT NULL GROUP BY fecha ORDER BY total_ingresos DESC LIMIT 5;	5 row(s) returned	0.125 sec / 0.000 sec
23	12:20:19	SELECT DATE(timestamp) AS fecha, SUM(amount) AS total_ingresos FROM transaction WHERE company_id IS NOT NULL GROUP BY fecha ORDER BY total_ingresos DESC LIMIT 5;	5 row(s) returned	0.125 sec / 0.000 sec

## Ejercicio 2

¿Cuál es la media de ventas por país? Presenta los resultados ordenados de mayor a menor media.

estructura datos Sprint 2

```

76  # EJERCICIO 2: ¿Cuál es la media de ventas por país? Presenta los resultados ordenados de mayor a menor media.
77  SELECT c.country, AVG(t.amount) AS media_ventas
78  FROM transaction t
79  JOIN company c
80  ON t.company_id = c.id
81  WHERE t.company_id IS NOT NULL
82  GROUP BY c.country
83  ORDER BY media_ventas DESC;
84

```

Result Grid

country	media_ventas
Australia	265.190742
United States	264.977877
Belgium	261.153042
Germany	260.841391
Ireland	260.644761
Spain	260.468125
France	259.979185
New Zealand	259.586176
Norway	259.375337
Netherlands	258.436128
Italy	258.272740
Sweden	257.437949
Canada	257.431229
United Kingdom	256.759607
China	252.422260

Result 14 x

Output

#	Time	Action	Message	Duration / Fetch
23	12:20:19	SELECT DATE(timestamp) AS fecha, SUM(amount) AS total_ingresos FROM transaction WHERE company_id IS NOT NULL GROUP BY fecha ORDER BY total_ingresos DESC LIMIT 5;	5 row(s) returned	0.125 sec / 0.000 sec
24	12:38:41	SELECT c.country, AVG(t.amount) AS media_ventas FROM transaction t JOIN company c ON t.company_id = c.id WHERE t.company_id IS NOT NULL GROUP BY c.country ORDER BY media_ventas DESC;	15 row(s) returned	0.312 sec / 0.000 sec

## Ejercicio 3

En tu empresa, se plantea un nuevo proyecto para lanzar algunas campañas publicitarias para hacer competencia a la empresa “Non Institute”. Para esto, te piden una lista de todas las transacciones realizadas por empresas que están situadas en el mismo país que esta empresa.



- Muestra el listado aplicando JOIN y subconsultas

The screenshot shows a SQL query in SQL Server Enterprise Manager. The query uses a JOIN between 'transaction' and 'company' tables, and a subquery to filter companies by name. The results grid shows a list of transactions with columns: id, credit\_card\_id, company\_id, user\_id, lat, longitude, timestamp, amount, declined, id, company\_name, and phone. The execution log shows two successful queries, both returning 13776 rows.

```
80 ON t.company_id = c.id
81 WHERE t.company_id IS NOT NULL
82 GROUP BY c.country
83 ORDER BY media_ventas DESC;
84
85 # EJERCICIO 3: En tu empresa, se plantea un nuevo proyecto para lanzar algunas campañas publicitarias para hacer competencia a la empresa "Non
86 # Para esto, te piden una lista de todas las transacciones realizadas por empresas que están situadas en el mismo país que esta empresa.
87 # - Muestra el listado aplicando JOIN y subconsultas
88 SELECT *
89 FROM transaction t
90 JOIN company c
91 ON t.company_id = c.id
92 WHERE c.country = (
93     SELECT country
94     FROM company
95     WHERE company_name = 'Non Institute'
96 );
```

id	credit_card_id	company_id	user_id	lat	longitude	timestamp	amount	declined	id	company_name	phone
00862984-C9A9-406C-A3D2-71FDA7BC546	CcS-7063	b-2246	2482	45.7666	4.83048	2015-07-30 12:12:42	486.44	0	b-2246	Sed Nunc Ltd	02 62 6-
00872BA4-54A3-4B8E-813F-2D57535AA17A	CcS-8475	b-2246	3894	55.6212	-3.7546	2017-10-26 22:08:26	414.06	0	b-2246	Sed Nunc Ltd	02 62 6-
01F075B1-07AE-4D02-AA09-9FFD72A43F3C	CcS-8700	b-2246	4119	55.856	-3.15783	2018-01-27 13:44:36	103.73	0	b-2246	Sed Nunc Ltd	02 62 6-
023FFC8B-E618-4938-8F56-C8DF05040ADD	CcS-7816	b-2246	3235	46.3568	1.82755	2016-12-19 11:53:45	219.28	0	b-2246	Sed Nunc Ltd	02 62 6-
026838EB-EF91-4564-9578-D6F1662AB7C5	CcS-9471	b-2246	4890	42.1332	12.396	2017-01-10 21:09:29	326.87	0	b-2246	Sed Nunc Ltd	02 62 6-
02C2F29E-CE2F-4C1E-A594-F4768F279C0	CcS-9082	b-2246	4501	39.4662	-0.373246	2020-05-24 01:17:29	155.72	0	b-2246	Sed Nunc Ltd	02 62 6-
02F468DC-426C-47C2-880A-D882587A81AF	CcS-6913	b-2246	2332	52.175	19.3508	2023-03-17 16:36:27	305.35	0	b-2246	Sed Nunc Ltd	02 62 6-
03068E3B-817B-4A49-934E-0E439291A104	CcS-5302	b-2246	721	51.9233	18.926	2021-12-02 23:06:02	339.58	0	b-2246	Sed Nunc Ltd	02 62 6-
03478FE6-8EB5-4387-8187-0E788F28BF8	CcS-7674	b-2246	3093	45.768	4.84271	2021-12-30 08:40:24	172.93	0	b-2246	Sed Nunc Ltd	02 62 6-
03A8BDOE-0C97-4B03-9C57-6A60B78026FD	CcS-6121	b-2246	1540	50.8113	10.3145	2018-11-11 11:28:49	114.77	0	b-2246	Sed Nunc Ltd	02 62 6-
03CA36D3-88FF-4D8F-8FD4-4CC7DA4EED2B	CcS-8036	b-2246	3455	52.5178	13.4131	2017-02-25 15:38:21	440.27	0	b-2246	Sed Nunc Ltd	02 62 6-
04494182-96D0-42EB-82FE-5F92C5210537	CcS-6791	b-2246	2210	41.9542	12.4607	2018-05-17 17:53:53	241.59	0	b-2246	Sed Nunc Ltd	02 62 6-
045AACF6-FF85-49FB-9DE4-E6730655366A	CcS-5363	b-2246	782	39.2464	-7.90454	2018-08-09 22:12:54	188.58	0	b-2246	Sed Nunc Ltd	02 62 6-
0489FDAC-86A4-4929-954E-9A2272189CAC	CcS-7296	b-2246	2715	51.1647	10.7348	2021-03-30 04:29:22	205.45	0	b-2246	Sed Nunc Ltd	02 62 6-
0490C36A-4B02-4CED-833B-8083AC86C6C8	CcS-7539	b-2246	2958	46.4281	1.64603	2023-05-20 19:28:00	424.64	0	b-2246	Sed Nunc Ltd	02 62 6-
04A0ABDE-FB25-4E59-A901-84B879380A33	CcS-4871	b-2246	290	52.0589	5.55327	2022-11-04 05:35:28	461.34	0	b-2246	Sed Nunc Ltd	02 62 6-
0512193E-8639-49FE-81F2-45609B409F9D	CcS-6651	b-2246	2070	39.684	-8.57102	2024-07-08 02:51:38	82.15	0	b-2246	Sed Nunc Ltd	02 62 6-

Result 3 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
2	21:04:35	SELECT * FROM transaction t JOIN company c ON t.company_id = c.id WHERE c.c...	13776 row(s) returned	0.000 sec / 0.078 sec
3	21:05:28	SELECT * FROM transaction t JOIN company c ON t.company_id = c.id WHERE c.c...	13776 row(s) returned	0.000 sec / 0.093 sec

- Muestra el listado aplicando sólo subconsultas

The screenshot shows a SQL query in SQL Server Enterprise Manager. The query uses a subquery to filter companies by name and then joins the 'transaction' table with the result. The results grid shows a list of transactions with columns: id, credit\_card\_id, company\_id, user\_id, lat, longitude, timestamp, amount, and declined. The execution log shows two successful queries, both returning 13776 rows.

```
93 SELECT country
94 FROM company
95 WHERE company_name = 'Non Institute'
96 );
97
98 # - Muestra el listado aplicando sólo subconsultas
99 SELECT *
100 FROM transaction
101 WHERE company_id IN (
102     SELECT id
103     FROM company
104     WHERE country = (
105         SELECT country
106         FROM company
107         WHERE company_name = 'Non Institute'
108     )
109 );
```

id	credit_card_id	company_id	user_id	lat	longitude	timestamp	amount	declined
00862984-C9A9-406C-A3D2-71FDA7BC546	CcS-7063	b-2246	2482	45.7666	4.83048	2015-07-30 12:12:42	486.44	0
00872BA4-54A3-4B8E-813F-2D57535AA17A	CcS-8475	b-2246	3894	55.6212	-3.7546	2017-10-26 22:08:26	414.06	0
01F075B1-07AE-4D02-AA09-9FFD72A43F3C	CcS-8700	b-2246	4119	55.856	-3.15783	2018-01-27 13:44:36	103.73	0
023FFC8B-E618-4938-8F56-C8DF05040ADD	CcS-7816	b-2246	3235	46.3568	1.82755	2016-12-19 11:53:45	219.28	0
026838EB-EF91-4564-9578-D6F1662AB7C5	CcS-9471	b-2246	4890	42.1332	12.396	2017-01-10 21:09:29	326.87	0
02C2F29E-CE2F-4C1E-A594-F4768F279C0	CcS-9082	b-2246	4501	39.4662	-0.373246	2020-05-24 01:17:29	155.72	0
02F468DC-426C-47C2-880A-D882587A81AF	CcS-6913	b-2246	2332	52.175	19.3508	2023-03-17 16:36:27	305.35	0
03068E3B-817B-4A49-934E-0E439291A104	CcS-5302	b-2246	721	51.9233	18.926	2021-12-02 23:06:02	339.58	0
03478FE6-8EB5-4387-8187-0E788F28BF8	CcS-7674	b-2246	3093	45.768	4.84271	2021-12-30 08:40:24	172.93	0
03A8BDOE-0C97-4B03-9C57-6A60B78026FD	CcS-6121	b-2246	1540	50.8113	10.3145	2018-11-11 11:28:49	114.77	0
03CA36D3-88FF-4D8F-8FD4-4CC7DA4EED2B	CcS-8036	b-2246	3455	52.5178	13.4131	2017-02-25 15:38:21	440.27	0
04494182-96D0-42EB-82FE-5F92C5210537	CcS-6791	b-2246	2210	41.9542	12.4607	2018-05-17 17:53:53	241.59	0
045AACF6-FF85-49FB-9DE4-E6730655366A	CcS-5363	b-2246	782	39.2464	-7.90454	2018-08-09 22:12:54	188.58	0
0489FDAC-86A4-4929-954E-9A2272189CAC	CcS-7296	b-2246	2715	51.1647	10.7348	2021-03-30 04:29:22	205.45	0
0490C36A-4B02-4CED-833B-8083AC86C6C8	CcS-7539	b-2246	2958	46.4281	1.64603	2023-05-20 19:28:00	424.64	0
04A0ABDE-FB25-4E59-A901-84B879380A33	CcS-4871	b-2246	290	52.0589	5.55327	2022-11-04 05:35:28	461.34	0
0512193E-8639-49FE-81F2-45609B409F9D	CcS-6651	b-2246	2070	39.684	-8.57102	2024-07-08 02:51:38	82.15	0
05523112-8559-48E6-880D-486968F4A1EC	CcS-8392	b-2246	3811	46.2212	1.99333	2023-02-02 11:21:26	132.86	0

transaction 4 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
3	21:05:28	SELECT * FROM transaction t JOIN company c ON t.company_id = c.id WHERE c.c...	13776 row(s) returned	0.000 sec / 0.093 sec
4	21:06:47	SELECT * FROM transaction WHERE company_id IN ( SELECT id FROM compan...	13776 row(s) returned	0.000 sec / 0.093 sec

# NIVEL 3

## Ejercicio 1

Presenta el nombre, teléfono, país, fecha y amount, de aquellas empresas que realizaron transacciones con un valor comprendido entre 350 y 400 euros y en alguna de estas fechas: 29 de abril del 2015, 20 de julio del 2018 y 13 de marzo del 2024. Ordena los resultados de mayor a menor cantidad.

Sprint 2

Don't Limit

111 # NIVEL 3

112

113 # EJERCICIO 1: Presenta el nombre, teléfono, país, fecha y amount, de aquellas empresas que realizaron transacciones con un valor

114 # comprendido entre 350 y 400 euros y en alguna de estas fechas: 29 de abril del 2015, 20 de julio del 2018 y 13 de marzo del 2024.

115 # Ordena los resultados de mayor a menor cantidad.

116 • SELECT c.company\_name, c.phone, c.country, DATE(t.timestamp) AS fecha, t.amount

117 FROM company c

118 JOIN transaction t

119 ON c.id = t.company\_id

120 WHERE

121 t.amount BETWEEN 350 AND 400

122 AND DATE(t.timestamp) IN ('2015-04-29','2018-07-20','2024-03-13')

123 ORDER BY t.amount DESC;

124

125

126

127

Result Grid

Filter Rows:

Exports

Wrap Cell Contents

company_name	phone	country	fecha	amount
Alquam PC	01 45 73 52 16	Germany	2024-03-13	399.84
Auctor Mauris Vel LLP	08 09 28 74 14	United States	2018-07-20	399.51
At Pede Corp.	06 14 48 33 15	Italy	2015-04-29	390.69
Alquam PC	01 45 73 52 16	Germany	2024-03-13	388.29
Oro Adipiscing Limited	03 18 00 77 81	United Kingdom	2018-07-20	373.71
Fringilla LLC	08 29 15 93 57	New Zealand	2015-04-29	367.62
Pede Cum Ltd	07 62 26 48 38	Norway	2018-07-20	356.87
Auctor Mauris Vel LLP	08 09 28 74 14	United States	2024-03-13	353.75

Result 5

Read Only

Output

Action Output

#	Time	Action	Message	Duration / Fetch
4	21:06:47	SELECT * FROM transaction WHERE company_id IN ( SELECT id FROM compa...	13776 row(s) returned	0.000 sec / 0.093 sec
5	23:04:30	SELECT c.company_name, c.phone, c.country, DATE(t.timestamp) AS fecha, t.amo...	8 row(s) returned	0.078 sec / 0.000 sec

## Ejercicio 2

Necesitamos optimizar la asignación de los recursos y dependerá de la capacidad operativa que se requiera, por lo cual te piden información sobre la cantidad de transacciones que realizan las empresas, pero el departamento de recursos humanos es exigente y quiere un listado de las empresas donde especifiques si tienen más de 400 transacciones o menos.