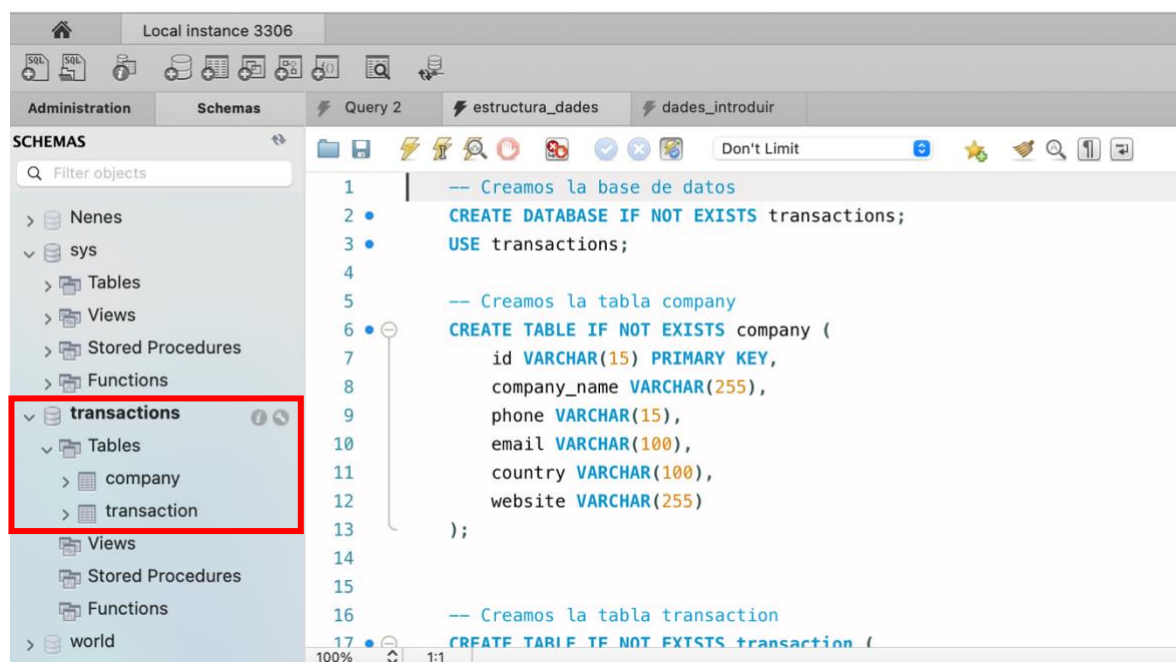


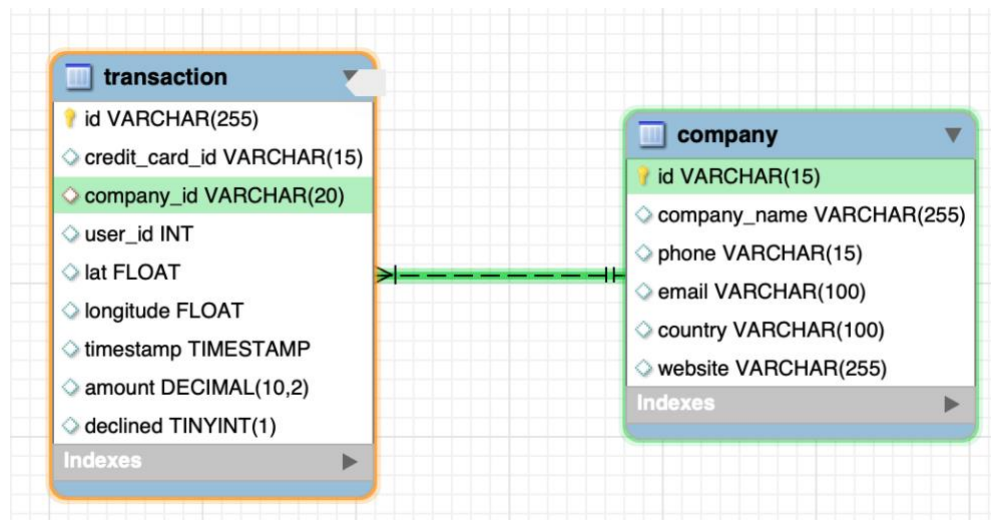
Nivell 1:

Exercici 1

A partir dels documents adjunts (estructura_dades i dades_introduir), importa les dues taules.



Mostra les característiques principals de l'esquema creat i explica les diferents taules i variables que existeixen. (Assegura't d'incloure un diagrama que il·lustri la relació entre les diferents taules i variables.)



- En nuestro esquema existen 2 tablas: **“transaction”** y **“company”**. Que tienen una relación de muchos a uno (n:1) siendo la tabla de hechos **“transaction”** (que es una tabla que contiene las ventas de una empresa con los datos del presupuesto de las compras, las compras declinadas, el día y la hora de la compra, así como el número de la tarjeta de crédito desde donde se realizó la compra, entre otros) y la tabla de dimensiones **“company”** (contiene información sobre las compañías que hacen las compras en nuestra empresa: nombre, teléfono, email, país, etc.).
- **“transaction”** está compuesta por 9 columnas (id, credit_card_id, company_id, user_id, lat, longitude, timestamp, amount, declined) y su **“Primary Key”** es el **id**. Se relaciona con **“company”** mediante **company_id** que es una **“Foreign key”**.

id	credit_card_id	company_id	user_id	lat	longitude	timestamp	amount	declined
02C6201E-D90A-1859-B4EE-88D2986D3B02	CcU-2938	b-2362	92	81.9185	-12.5276	2021-08-28 23:42:24	466.92	0
0466A42E-47CF-8D24-FD01-C0B689713128	CcU-4219	b-2302	170	-43.9695	-117.525	2021-07-26 07:29:18	49.53	0
063FBA79-99EC-66FB-29F7-25726D1764A5	CcU-2987	b-2250	275	-81.2227	-129.05	2022-01-06 21:25:27	92.61	0
0668296C-CDB9-A883-76BC-2E4C44F8C8AE	CcU-3743	b-2618	265	-34.3593	-100.556	2022-01-26 02:07:14	394.18	0
06CD9AA5-9B42-D684-DDDD-A5E394FEBA99	CcU-2959	b-2346	92	33.7381	158.298	2021-10-26 23:00:01	279.93	0
07A46D48-31A3-7E87-65B9-0DA902AD109F	CcU-3225	b-2386	272	38.8342	92.1905	2021-06-28 21:11:42	340.87	1
00DE02CE-6507-2BB7-12B5-0295B2B2B8E2	CcU-2071	b-2208	275	71.1706	10.5757	2021-05-11 20:40:06	202.05	1

company 3

transaction 4

Action Output

	Time	Action	Response
699	13:19:17	Select * from transaction	587 row(s) returned

- **“company”** está compuesta por 6 columnas (id, company_name, phone, email, country, website) y su **“Primary Key”** es **id**.

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-2226	Magna A Neque 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	Convallis In Incorporated	06 66 57 29 50	mauris.ut@aol.couk	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.couk	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

company 1

Action Output

	Time	Action	Response
695	13:13:17	Select * from company	100 row(s) returned

- Todas las variables de la tabla **“company”** son del tipo:
 - VARCHAR: cadena de caracteres de longitud variable que puede contener letras, números y caracteres especiales y cuya longitud en caracteres varia de 0 a 65535.
- Las variables de la tabla **“transaction”**. Comprenden un rango más amplio de tipos diferentes, además de la ya explicada VARCHAR tenemos:
 - INT: número entero de tamaño medio cuyo rango con signo va de -2147483648 a 2147483647 y sin signo va de 0 a 4294967295 caracteres.
 - FLOAT: número con coma flotante (no es tan preciso como el decimal) cuyo rango con signo va de -3.402823466E+38 a 3.402823466E+38.
 - TIMESTAMP: almacena el número de segundos desde la época Unix ('1970-01-01 00:00:00' UTC) en formato: AAAA-MM-DD hh:mm:ss. Admite un intervalo de tiempo que va desde '1970-01-01 00:00:01' UTC a '2038-01-09 03:14:07' UTC. Permite especificar la inicialización automática y la actualización a la fecha y hora actuales.
 - DECIMAL: número con coma fija (es más exacto que el float). El número máximo de caracteres que soporta es de 65 (siendo por defecto 10) y el número máximo de dígitos después del punto decimal es 30 (siendo por defecto 0). En nuestro caso como especifica los valores (10,2) esto significa que el valor es de tamaño 10 con 2 dígitos después de la coma.
 - TINYINT: número entero muy pequeño cuyo rango con signo va de -128 a 127 y sin signo va de 0 a 255 caracteres.
 - BOOLEAN: En nuestro caso la variable que es TINYINT es también un BOOLEAN, o sea, el cero es considerado como falso y el 1 como verdadero.

Exercici 2

Utilitzant JOIN realitzaràs les següents consultes:

- Llistat dels països que estan fent compres.

```
7 • SELECT DISTINCT country AS Países
8 FROM company
9 INNER JOIN transaction
10 ON company.id = transaction.company_id;
11
```

100% 18:5

Result Grid Filter Rows: Search Export:

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

Result 42

Action Output

	Time	Action	Response
✓ 762	11:51:20	SELECT DISTINCT co...	15 row(s) returned

- Des de quants països es realitzen les compres.

```
13 • SELECT COUNT(DISTINCT country) AS Cantidad_de_paises
14 FROM company
15 INNER JOIN transaction
16 ON company.id = transaction.company_id;
17
```

100% 40:10

Result Grid Filter Rows: Search Export:

Cantidad_de_paises
15

Result 43

Action Output

	Time	Action	Response
✓ 763	11:52:43	SELECT COUNT(DISTI...	1 row(s) returned

- Identifica la compañía con la mediana más grande de ventas.

- Podemos hacerlo con LIMIT 1:

```
24 • SELECT DISTINCT company.company_name AS Company, ROUND(AVG(transaction.amount), 2) AS ventas
25 FROM company
26 INNER JOIN transaction ON company.id = transaction.company_id
27 WHERE transaction.declined = 0 -- usamos este filtro para descartar las ventas que han sido declinadas
28 GROUP BY company.company_name
29 ORDER BY AVG(transaction.amount) DESC
30 LIMIT 1;
```

100% 24:20

Result Grid

Company	ventas
Eget Ipsum Ltd	481.86

Result 2

Action Output

	Time	Action	Response
✓ 3	10:59:19	SELECT DISTINCT company.company_name AS Company, ROUND(AVG(transaction.amount), 2) AS ventas FRO...	1 row(s) returned

- O con una Subquery (por si hubiera más de una compañía con igual valor máximo):

```
32 • SELECT DISTINCT company.company_name AS Company, ROUND(AVG(transaction.amount), 2) AS ventas
33 FROM company
34 INNER JOIN transaction ON company.id = transaction.company_id
35 WHERE transaction.declined = 0
36 GROUP BY company.company_name
37 HAVING AVG(transaction.amount) = (SELECT MAX(media)
38                                FROM (SELECT AVG(amount) AS media
39                                    FROM transaction
40                                    WHERE declined = 0
41                                    GROUP BY company_id) AS subquery);
42
```

100% 30:28

Result Grid

Company	ventas
Eget Ipsum Ltd	481.86

Result 3

Action Output

	Time	Action	Response
✓ 4	11:00:30	SELECT DISTINCT company.company_name AS Company, ROUND(AVG(transaction.amount), 2) AS ventas FRO...	1 row(s) returned

Exercici 3

Utilitzant només subconsultes (sense utilitzar JOIN):

- Mostra totes les transaccions realitzades per empreses d'Alemanya.

```
51 • SELECT * -- Si queremos todos los datos
52 FROM transaction
53 WHERE transaction.company_id IN (SELECT id
54 FROM company
55 WHERE country = 'Germany');
```

100% 36:49

Result Grid

id	credit_card_id	company_id	user_id	lat	longitude	timestamp	amount	declined
108B1D1D-5B23-A76C-55EF-C568E49A05DD	CcU-2938	b-2222	275	83.7839	-178.86	2021-07-07 17:43:16	293.57	0
EA2C3281-C9C1-A387-44F8-729FB4B51C76	CcU-2938	b-2222	275	20.2004	-116.84	2021-05-09 10:25:08	119.36	1
0DD2E608-5C9E-D1B3-4999-B99F43AD735A	CcU-2959	b-2234	275	9.68811	130.282	2021-04-17 05:30:17	252.47	1
AB069F53-965E-A2A8-CE06-CA8C4FD92501	CcU-2959	b-2234	275	1.64819	-158.007	2021-04-15 13:37:18	60.99	0
0466A42E-47CF-8D24-FD01-C0B689713128	CcU-4219	b-2302	170	-43.9695	-117.525	2021-07-26 07:29:18	49.53	0
0A476ED9-0C13-1962-F87B-D3563924B539	CcU-4359	b-2302	221	-56.4901	114.801	2022-02-26 20:33:54	430.49	0
122DC333-E19F-D629-DCD8-9C54CF1EBB9A	CcU-4366	b-2302	221	29.6372	-166.173	2021-06-09 06:04:14	172.01	0
135267BA-2E7D-957C-C42C-6450A2B3ED54	CcU-4520	b-2302	210	20.6724	14.9732	2021-12-29 20:38:23	17.97	0
14CAE5B5-8FB1-3E4A-4C85-0EA4167534F4	CcU-4849	b-2302	189	-53.6202	93.0533	2021-12-31 00:29:42	388.04	0
158A3ACB-541C-DBCC-65BD-6373CC67BF1C	CcU-4849	b-2302	183	42.5424	-170.347	2022-03-08 05:02:19	240.29	0
162C7E78-2B6B-7971-A1E4-D2124E732451	CcU-4527	b-2302	210	-69.1381	58.0017	2021-04-11 05:59:18	231.26	0
1717FD6B-ADAD-7082-A748-9112BE892CCC	CcU-4219	b-2302	172	69.4892	-138.411	2021-12-29 16:18:54	249.91	0
1753A288-9FC1-52E6-5C39-A1FFB97B0D3A	CcU-4345	b-2302	222	57.9422	-114.729	2021-08-17 05:32:08	497.84	0
186F53DE-DE27-B1FE-B82F-15B61CEB7726	CcU-4310	b-2302	225	-72.7448	36.6211	2021-12-20 13:13:45	238.16	0
18C4E2DD-1E4C-F35E-2198-C660BD81DC25	CcU-4849	b-2302	177	68.0133	91.4839	2021-09-24 18:55:25	237.04	0
18CCBA7C-ABC1-813D-FAF3-4BAB97429368	CcU-4219	b-2302	173	51.3881	-156.371	2021-06-21 03:21:34	58.16	0

transaction 93

Action Output

Time	Action	Response
837 17:04:29	SELECT * FROM transaction WHERE transaction.co...	118 row(s) returned

- Lista les empreses que han realitzat transaccions per un amount superior a la mitjana de totes les transaccions.

```
47 • SELECT company.company_name AS Company
48 FROM company
49 WHERE company.id IN (SELECT transaction.company_id
50 FROM transaction
51 WHERE transaction.amount > (SELECT AVG(amount)
52 FROM transaction));
```

100% 1:45

Result Grid

Company
Ac Fermentum Incorporated
Magna A Neque Industries
Fusce Corp.
Ante Iaculis Nec Foundation
Donec Ltd
Sed Nunc Ltd
Nascetur Ridiculus Mus Inc.
Vestibulum Lorem PC
Gravida Sagittis LLP
Mus Aenean Eget Foundation
Dis Parturient Institute
Sed LLC
Arcu LLP
Fringilla LLC
Elit Etiam Laoreet Associates
Nunc Interdum Incorporated

company 66

Action Output

Time	Action	Response
803 13:11:44	SELECT company.com...	70 row(s) returned

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

```

55 • SELECT company.company_name AS Company
56 FROM company
57 WHERE company.id NOT IN (SELECT transaction.company_id
58 FROM transaction);
59

```

100% 51:49

Result Grid Filter Rows: Search Export:

Company
company 69

Action Output

Time	Action	Response
806 13:34:04	SELECT company.com...	0 row(s) returned

- Como esta consulta no me da ningún nombre, compruebo que es correcto haciendo la consulta contraria:

```

60 • SELECT company.company_name AS Company
61 FROM company
62 WHERE company.id IN (SELECT transaction.company_id
63 FROM transaction);
64

```

100% 25:65

Result Grid Filter Rows: Search Export:

Company
Ac Fermentum Incorporated
Magna A Neque Industries
Fusce Corp.
Convallis In Incorporated
Ante laculis 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.
Fringilla LLC
Quisque Libero LLC
company 70

Action Output

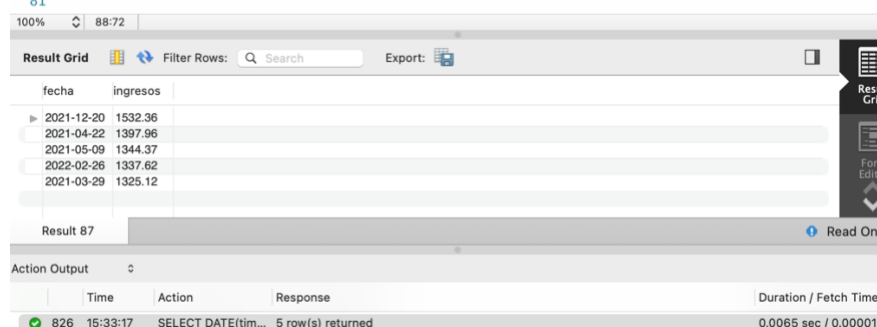
Time	Action	Response
807 13:37:04	SELECT company.com...	100 row(s) returned

Nivell 2:

Exercici 1

Identifica els cinc dies que es va generar la quantitat més gran d'ingressos a l'empresa per vendes. Mostra la data de cada transacció juntament amb el total de les vendes.

```
75 • SELECT DATE(timestamp) AS fecha, SUM(amount) AS ingresos -- usamos DATE() para extraer la fecha
76 FROM transaction
77 WHERE declined = 0 -- para tener en cuenta solo las ventas no declinadas
78 GROUP BY DATE(timestamp)
79 ORDER BY SUM(amount) DESC
80 LIMIT 5;
81
```



fecha	ingresos
2021-12-20	1532.36
2021-04-22	1397.96
2021-05-09	1344.37
2022-02-26	1337.62
2021-03-29	1325.12

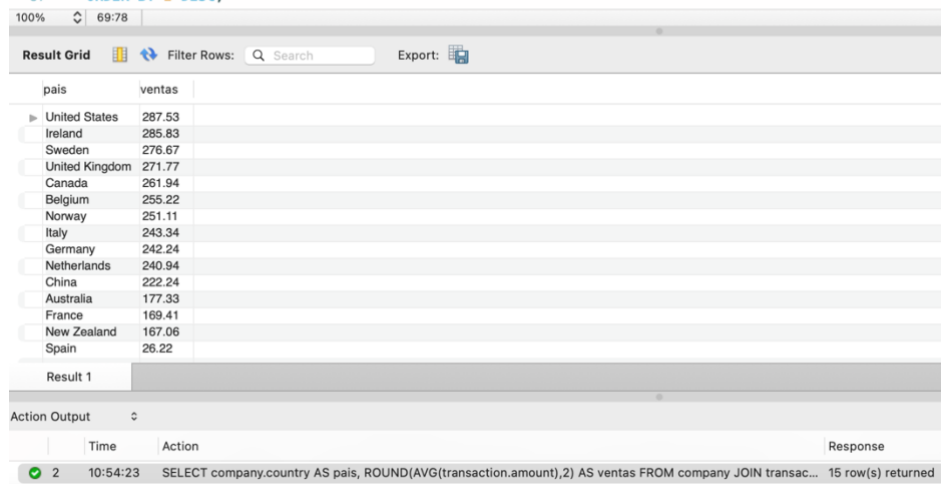
Result 87

Time	Action	Response	Duration / Fetch Time
826 15:33:17	SELECT DATE(timestamp) AS fecha, SUM(amount) AS ingresos FROM transaction WHERE declined = 0 GROUP BY DATE(timestamp) ORDER BY SUM(amount) DESC LIMIT 5;	5 row(s) returned	0.0065 sec / 0.00001

Exercici 2

Quina és la mitjana de vendes per país? Presenta els resultats ordenats de major a menor mitjà.

```
82 • SELECT company.country AS pais, ROUND(AVG(transaction.amount),2) AS ventas
83 FROM company
84 JOIN transaction ON company.id = transaction.company_id
85 WHERE declined = 0
86 GROUP BY 1
87 ORDER BY 2 DESC;
```



pais	ventas
United States	287.53
Ireland	285.83
Sweden	276.67
United Kingdom	271.77
Canada	261.94
Belgium	255.22
Norway	251.11
Italy	243.34
Germany	242.24
Netherlands	240.94
China	222.24
Australia	177.33
France	169.41
New Zealand	167.06
Spain	26.22

Result 1

Time	Action	Response
2 10:54:23	SELECT company.country AS pais, ROUND(AVG(transaction.amount),2) AS ventas FROM company JOIN transaction ON company.id = transaction.company_id WHERE declined = 0 GROUP BY 1 ORDER BY 2 DESC;	15 row(s) returned

Exercici 3

En la teva empresa, es planteja un nou projecte per a llançar algunes campanyes publicitàries per a fer competència a la companyia "Non Institute". Per a això, et demanen la llista de totes les transaccions realitzades per empreses que estan situades en el mateix país que aquesta companyia.

- Mostra el llistat aplicant JOIN i subconsultes.

- Incluyendo "Non Institute":

```
92 • SELECT transaction.*
93 FROM transaction
94 JOIN company ON transaction.company_id = company.id
95 WHERE company.country = (SELECT company.country
96 FROM company
97 WHERE company.company_name = 'Non Institute'); -- Incluido 'Non Institute'
```

100% 40:90

Result Grid Filter Rows: Search Export:

id	credit_card_id	company_id	user_id	lat	longitude	timestamp	amount	declined
2B928E1C-EC14-A760-0A75-871477649D6A	CcU-2980	b-2246	275	-41.0496	161.685	2021-08-10 08:14:49	383.73	0
ACD2011A-A2B1-C365-41E1-2AB00C65147A	CcU-2980	b-2246	275	-54.4792	-82.7974	2022-03-05 20:41:20	60.07	1
4334349E-CEB0-3D68-A4D4-FEB7718A1ACE	CcU-3092	b-2310	275	-20.4859	150.87	2021-05-03 22:37:23	458.74	0
BC2B9A38-77B4-28CD-1FE8-14DED863E773	CcU-3092	b-2310	275	-78.0295	18.5295	2021-10-18 07:27:35	477.95	1
1479B3D2-B7BA-C7BB-4CE3-8D7C2DE85ABB	CcU-2994	b-2326	133	66.2672	172.399	2021-08-09 00:58:07	309.45	0
150509C2-099D-D684-1B66-91FDE303E8FE	CcU-2994	b-2326	126	-67.0189	-141.672	2021-07-05 03:10:00	395.43	0

Result 107

Action Output

Time	Action	Response
854 20:36:22	SELECT transaction.* FROM transaction JOIN company ON transaction.company_id =...	100 row(s) returned

- Excluyendo "Non Institute":

```
99 • SELECT transaction.*
100 FROM transaction
101 JOIN company ON transaction.company_id = company.id
102 WHERE company.country = (SELECT company.country
103 FROM company
104 WHERE company.company_name = 'Non Institute')
105 AND company.company_name != 'Non Institute'; -- Excluyendo 'Non Institute'
106
```

100% 15:97

Result Grid Filter Rows: Search Export:

id	credit_card_id	company_id	user_id	lat	longitude	timestamp	amount	declined
2B928E1C-EC14-A760-0A75-871477649D6A	CcU-2980	b-2246	275	-41.0496	161.685	2021-08-10 08:14:49	383.73	0
ACD2011A-A2B1-C365-41E1-2AB00C65147A	CcU-2980	b-2246	275	-54.4792	-82.7974	2022-03-05 20:41:20	60.07	1
4334349E-CEB0-3D68-A4D4-FEB7718A1ACE	CcU-3092	b-2310	275	-20.4859	150.87	2021-05-03 22:37:23	458.74	0
BC2B9A38-77B4-28CD-1FE8-14DED863E773	CcU-3092	b-2310	275	-78.0295	18.5295	2021-10-18 07:27:35	477.95	1
1479B3D2-B7BA-C7BB-4CE3-8D7C2DE85ABB	CcU-2994	b-2326	133	66.2672	172.399	2021-08-09 00:58:07	309.45	0
150509C2-099D-D684-1B66-91FDE303E8FE	CcU-2994	b-2326	126	-67.0189	-141.672	2021-07-05 03:10:00	395.43	0

Result 108

Action Output

Time	Action	Response
855 20:37:14	SELECT transaction.* FROM transaction JOIN company ON transaction.company_id =...	70 row(s) returned

- Mostra el llistat aplicant solament subconsultes.

- Incluyendo "Non Institute":

```

107 -- Lista solo con subconsultas:
108 • SELECT *
109 FROM transaction
110 WHERE transaction.company_id IN (SELECT company.id
111                                FROM company
112                                WHERE company.country = (SELECT company.country
113                                                         FROM company
114                                                         WHERE company.company_name = 'Non Institute'));

```

100% 48:102

Result Grid Filter Rows: Search Edit: Export/Import:

id	credit_card_id	company_id	user_id	lat	longitude	timestamp	amount	declined
2B928E1C-EC14-A760-0A75-871477649D6A	CcU-2980	b-2246	275	-41.0496	161.685	2021-08-10 08:14:49	383.73	0
ACD2011A-A2B1-C365-41E1-2AB00C65147A	CcU-2980	b-2246	275	-54.4792	-82.7974	2022-03-05 20:41:20	60.07	1
4334349E-CEB0-3D68-A4D4-FEB7718A1ACE	CcU-3092	b-2310	275	-20.4859	150.87	2021-05-03 22:37:23	458.74	0
BC2B9A38-77B4-28CD-1FE8-14DED863E773	CcU-3092	b-2310	275	-78.0295	18.5295	2021-10-18 07:27:35	477.95	1
1479B3D2-B7BA-C7BB-4CE3-8D7C2DE85ABB	CcU-2994	b-2326	133	66.2672	172.399	2021-08-09 00:58:07	309.45	0
1E269AC7-729D-D684-1B66-01E0E303E8EE	CcU-2994	b-2326	133	-67.0189	-141.672	2021-07-05 03:10:00	305.43	0

transaction 109

Action Output

Time	Action	Response
856 20:39:28	SELECT * FROM transaction WHERE transaction.company_id IN (SELECT company.id...	100 row(s) returned

- Excluyendo "Non Institute":

```

116 • SELECT *
117 FROM transaction
118 WHERE transaction.company_id IN (SELECT company.id
119                                FROM company
120                                WHERE company.country = (SELECT company.country
121                                                         FROM company
122                                                         WHERE company.company_name = 'Non Institute')
123                                AND company.company_name != 'Non Institute'); -- Excluyendo 'Non Institute'

```

100% 24:114

Result Grid Filter Rows: Search Edit: Export/Import:

id	credit_card_id	company_id	user_id	lat	longitude	timestamp	amount	declined
2B928E1C-EC14-A760-0A75-871477649D6A	CcU-2980	b-2246	275	-41.0496	161.685	2021-08-10 08:14:49	383.73	0
ACD2011A-A2B1-C365-41E1-2AB00C65147A	CcU-2980	b-2246	275	-54.4792	-82.7974	2022-03-05 20:41:20	60.07	1
4334349E-CEB0-3D68-A4D4-FEB7718A1ACE	CcU-3092	b-2310	275	-20.4859	150.87	2021-05-03 22:37:23	458.74	0
BC2B9A38-77B4-28CD-1FE8-14DED863E773	CcU-3092	b-2310	275	-78.0295	18.5295	2021-10-18 07:27:35	477.95	1
1479B3D2-B7BA-C7BB-4CE3-8D7C2DE85ABB	CcU-2994	b-2326	133	66.2672	172.399	2021-08-09 00:58:07	309.45	0
1E269AC7-729D-D684-1B66-01E0E303E8EE	CcU-2994	b-2326	133	-67.0189	-141.672	2021-07-05 03:10:00	305.43	0

transaction 110

Action Output

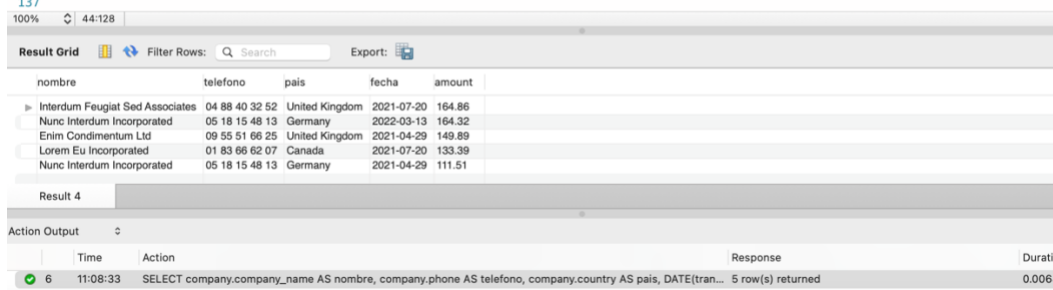
Time	Action	Response
857 20:40:01	SELECT * FROM transaction WHERE transaction.company_id IN (SELECT company.id...	70 row(s) returned

Nivell 3:

Exercici 1

Presenta el nom, telèfon, país, data i amount, d'aquelles empreses que van realitzar transaccions amb un valor comprès entre 100 i 200 euros i en alguna d'aquestes dates: 29 d'abril del 2021, 20 de juliol del 2021 i 13 de març del 2022. Ordena els resultats de major a menor quantitat.

```
131 • SELECT company.company_name AS nombre, company.phone AS telefono, company.country AS pais, DATE(transaction.timestamp) AS fecha,
132 transaction.amount AS amount
133 FROM company
134 JOIN transaction ON company.id = transaction.company_id
135 WHERE transaction.amount BETWEEN 100 AND 200 AND DATE(transaction.timestamp) IN ('2021-04-29', '2021-07-20', '2022-03-13')
136 ORDER BY transaction.amount DESC;
137
```



Result Grid

nombre	telefono	pais	fecha	amount
Interdum Feugiat Sed Associates	04 88 40 32 52	United Kingdom	2021-07-20	164.86
Nunc Interdum Incorporated	05 18 15 48 13	Germany	2022-03-13	164.32
Enim Condimentum Ltd	09 55 51 66 25	United Kingdom	2021-04-29	149.89
Lorem Eu Incorporated	01 83 66 62 07	Canada	2021-07-20	133.39
Nunc Interdum Incorporated	05 18 15 48 13	Germany	2021-04-29	111.51

Result 4

Action Output

	Time	Action	Response	Duration
6	11:08:33	SELECT company.company_name AS nombre, company.phone AS telefono, company.country AS pais, DATE(transaction.timestamp) AS fecha, transaction.amount AS amount	5 row(s) returned	0.0061

Exercici 2

Necessitem optimitzar l'assignació dels recursos i dependrà de la capacitat operativa que es requereixi, per la qual cosa et demanen la informació sobre la quantitat de transaccions que realitzen les empreses, però el departament de recursos humans és exigent i vol un llistat de les empreses on especifiquis si tenen més de 4 transaccions o menys.

```
139 • SELECT company.company_name AS nombre,
140 CASE -- funciona como un bucle que recorre las condiciones y devuelve un valor asociado cuando la condición se cumple
141 WHEN COUNT(transaction.amount) >= 4 THEN 'Mas de 4'
142 ELSE 'Menos de 4'
143 END AS categoria_amount -- después del END necesario para indicar que acaba el bucle, se le puede nombrar
144 FROM company
145 JOIN transaction ON company.id = transaction.company_id
146 GROUP BY 1;
```



Result Grid

nombre	categoria_amount
Enim Condimentum Ltd	Mas de 4
Donec Fringilla PC	Menos de 4
Amet Institute	Menos de 4
Magna Incorporated	Menos de 4
Fringilla Porttitor Incorporated	Menos de 4
Ut Semper Foundation	Mas de 4

Result 5

Action Output

	Time	Action	Response	Duration
7	11:10:14	SELECT company.company_name AS nombre, CASE -- funciona como un bucle que recorre las condiciones y devuelve un valor asociado cuando la condición se cumple WHEN COUNT(transaction.amount) >= 4 THEN 'Mas de 4' ELSE 'Menos de 4' END AS categoria_amount FROM company JOIN transaction ON company.id = transaction.company_id GROUP BY 1	100 row(s) returned	0.0061