

## 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 este caso, tenemos una base de datos relacionales. Es simple, no llega a tener una estructura de estrella o de copo de nieve, ya que son tan solo dos tablas que conectan entre sí por una sola clave. La tabla **company** tiene "id" como primary key. La tabla **transaction** tiene "id" como primary key y, por otro lado, tiene "company\_id" como secondary key. Precisamente esta "company\_id" es la que conecta con la primary key "id" de **company**.

La tabla **transaction** es una tabla de dimensiones. Contiene información sobre las transacciones realizadas por las empresas, como el identificador de dichas transacciones, el identificador de la tarjeta de crédito, el identificador del usuario que ha realizado la transacción, la latitud del lugar de la transacción, la longitud del lugar de la transacción, la fecha y hora de la transacción, el importe de la transacción y si ha sido aceptada o rechazada.

En esta tabla, hay estos tipos de variables:

- VARCHAR: este tipo acepta todo tipo de caracteres. Las columnas de este tipo son: *id*, *credit\_card\_id*, *company\_id*.
- INT: este tipo es solo para números enteros. *user\_id* es la única columna de este tipo.
- FLOAT: este tipo solo acepta números con decimales. Las columnas *lat*, *longitude*.
- TIMESTAMP: esta variable contiene una fecha y una hora. La columna *timestamp* la contiene.
- DECIMAL: esta variable contiene un número exacto en coma fija. La columna *amount* tiene esta variable.
- TINYINT: esta variable permite números enteros entre 0 y 255. La columna *declined* tiene esta variable.

La tabla **company** es una tabla de hechos. Contiene información sobre las empresas, en concreto: el identificador de las empresas, el nombre de las empresas, el teléfono de las empresas, el email de las empresas, el país de las empresas y la página web de las empresas.

En esta tabla, hay estos tipos de variables:

- VARCHAR: este tipo acepta todo tipo de caracteres. Todas las columnas son de este tipo.

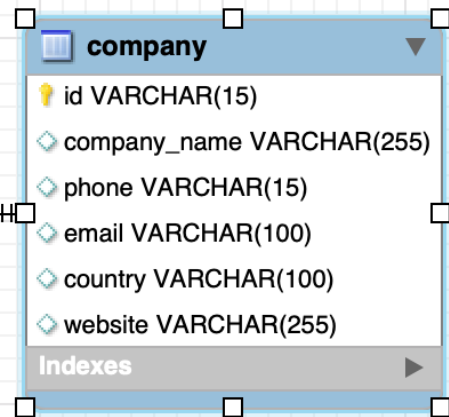
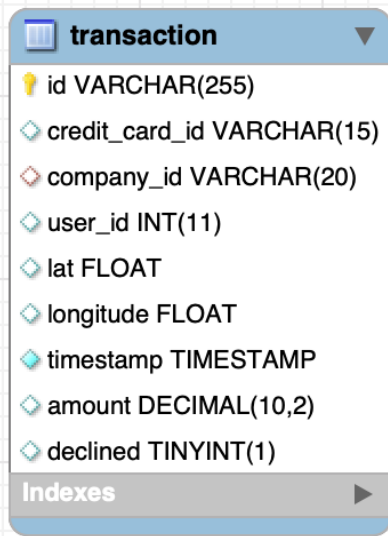


TABLA TRANSACTIONS:

1SELECT \* FROM transactions.transaction;

100%1:1

Result GridFilter Rows:SearchEdit:Export/Import:

id	credit_card_id	company_id	user_id	lat	longitude	timestamp	amount	declined
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-A884-76BC-2E4C44F8C8AE	CcU-3743	b-2618	265	-34.3593	-100.556	2022-01-26 02:07:14	394.18	0
06CD9AA5-9B42-D684-DDDD-A5E394FEBAB9	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
08DE92CE-6F27-2BB7-13B5-9385B2B3B8E2	CcU-3071	b-2298	275	71.1706	10.5757	2021-05-11 20:40:06	303.05	1
0A476ED9-0C13-1962-F87B-D3563924B539	CcU-4359	b-2302	221	-56.4901	114.801	2022-02-26 20:33:54	430.49	0
08EB80B7-9D66-1707-CE4B-9DC7E71914B5	CcU-3141	b-2338	272	23.3264	-13.6037	2022-03-04 14:54:35	288.81	1
0C7C3A33-9947-3BC1-846D-7BE3D0D17598	CcU-3309	b-2434	272	63.3615	-68.6667	2021-04-10 20:58:41	103.44	1
0CE957A6-CCAA-2B7A-6839-8A4B1B324853	CcU-3435	b-2506	269	-69.3537	-10.26	2022-02-02 07:29:36	428.69	1
0DD2E608-5C9E-D1B3-4999-B99F43AD735A	CcU-2959	b-2234	275	9.68811	130.282	2021-04-17 05:30:17	252.47	1
1017AA59-3D5F-7A4C-1992-D151A8D1FA0A	CcU-3701	b-2618	287	4.27645	-101.554	2021-11-01 01:02:11	447.11	0
1026DA24-8929-31F1-8250-D7BAB05C13D2	CcU-2959	b-2346	92	32.0646	-140.147	2021-12-07 09:30:38	465.31	0
108B1D1D-5B23-A76C-55EF-C568E49A05DD	CcU-2938	b-2222	275	83.7839	-178.86	2021-07-07 17:43:16	293.57	0
10A9B07A-810C-76EB-4D15-12C6CC128037	CcU-3155	b-2346	272	-32.0556	-76.7281	2021-05-16 21:00:28	27.85	1
11ABED97-EA12-1B9A-96F0-A93ACC172179	CcU-3981	b-2362	68	-78.8402	8.76182	2021-07-14 20:55:48	157.20	0
122DC333-E19F-D629-DCD8-9C54CF1EBB9A	CcU-4366	b-2302	221	29.6372	-166.173	2021-06-09 06:04:14	172.01	0
133B82CC-DE62-8604-2D11-3DC5449E0A5F	CcU-3407	b-2490	271	62.3246	101.017	2021-04-02 05:17:46	348.88	1
135267BA-2E7D-957C-C42C-6450A2B3ED54	CcU-4520	b-2302	210	20.6724	14.9732	2021-12-29 20:38:23	17.97	0

transaction 1ApplyRevert

Action Output

	Time	Action	Response	Duration / Fetch Time
✓ 16	11:08:06	SELECT * FROM transactions.transaction LIMIT 0, 1000	587 row(s) returned	0.0010 sec / 0.0020 s.

TABLA COMPANY:

1SELECT \* FROM transactions.company;

100%1:1

Result GridFilter Rows:SearchEdit:Export/Import:

id	company_name	phone	email	country	website
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
b-2250	Amet Nulla 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
b-2270	Dis Parturient Institute	05 36 29 78 74	purus@protonmail.org	Ireland	https://google.com/one
b-2274	Sed LLC	01 63 16 26 52	at@outlook.com	Belgium	https://reddit.com/fr
b-2278	Arcti LLP	06 46 04 41 45	dui@aol.ca	Norway	https://yahoo.com/sub
b-2282	Pretium Neque Corp.	07 77 48 55 28	eleifend.nec.malesuada@proto...	Australia	https://netflix.com/sub
b-2286	Fringilla LLC	08 29 15 93 57	gravida@protonmail.couk	New Zealand	https://reddit.com/user/110
b-2290	Quisque Libero LLC	01 45 48 71 11	sapien.molestie.orci@hotmail.c...	China	https://baidu.com/group/9
b-2294	Auctor Mauris Vel LLP	08 00 98 74 14	lorem.tempus@icloud.couk	United States	https://netcanam.com/fr

company 1ApplyRevert

Action Output

	Time	Action	Response	Duration / Fetch Time
✓ 17	11:08:31	SELECT * FROM transactions.company LIMIT 0, 1000	100 row(s) returned	0.014 sec / 0.000041

**Exercici 2: Utilitzant JOIN realitzaràs les següents consultes:  
Llistat dels països que estan fent compres.**

6

SELECT DISTINCT country AS Païses

7

FROM company

8

JOIN transaction

9

ON company.id = transaction.company\_id

10

WHERE declined = 0

11

ORDER BY Païses ASC;

12

100%

22:11

Result Grid

Filter Rows: Search

Export

Result Grid

Form Editor

Field Types

Païses

Australia

Belgium

Canada

China

France

Germany

Ireland

Italy

Netherlands

New Zealand

Norway

Spain

Result 64

Read Only

Action Output

Time

Action

Response

Duration / Fetch Time

1

12:40:28

SELECT DISTINCT country AS Païses FROM company JOIN transaction ON company.id = transaction.co...

15 row(s) returned

0.0015 sec / 0.00001...

**#Des de quants països es realitzen les compres.**

15

SELECT COUNT(DISTINCT country) AS Número\_Païses

16

FROM company

17

JOIN transaction

18

ON company.id = transaction.company\_id

19

WHERE declined = 0

20

ORDER BY Número\_Païses ASC;

21

100%

13:17

Result Grid

Filter Rows: Search

Export

Result Grid

Form Editor

Field Types

Número\_Païses

15

Result 66

Read Only

Action Output

Time

Action

Response

Duration / Fetch Time

1

12:40:57

SELECT COUNT(DISTINCT country) AS Número\_Païses FROM company JOIN transaction ON company.i...

1 row(s) returned

0.0013 sec / 0.00001...

Identifica la companyia amb la mitjana més gran de vendes.

```
23 SELECT c.company_name AS Nombre, ROUND(AVG(t.amount), 2) AS Ventas
24 FROM transaction t
25 JOIN company c
26 ON c.id = t.company_id
27 WHERE declined = 0
28 GROUP BY t.company_id
29 ORDER BY Ventas DESC
30 LIMIT 1;
```

Nombre	Ventas
Eget Ipsum Ltd	481.86

Result 70

Action Output

Time	Action	Response	Duration / Fetch Time
12:43:26	SELECT c.company_name AS Nombre, ROUND(AVG(t.amount), 2) AS Ventas FROM transaction t JOIN c...	1 row(s) returned	0.0016 sec / 0.00001...

Exercici 3: Utilitzant només subconsultes (sense utilitzar JOIN):

Mostra totes les transaccions realitzades per empreses d'Alemanya.

```
35 SELECT *
36 FROM transaction
37 WHERE company_id IN(
38     SELECT id
39     FROM company
40     WHERE country = 'Germany' AND declined = 0;
```

id	credit_card_id	company_id	user_id	lat	longitude	timestamp	amount	declined
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
108B1D1D-5B23-A76C-55EF-C568E49A05DD	CcU-2938	b-2222	275	83.7839	-178.86	2021-07-07 17:43:16	293.57	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	83.0533	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-FAF3-4BA897429368	CcU-4219	b-2302	173	51.3881	-156.371	2021-06-21 03:21:34	58.16	0

transaction 72

Action Output

Time	Action	Response	Duration / Fetch Time
12:44:09	SELECT * FROM transaction WHERE company_id IN( SELECT id FROM company WHERE country...	111 row(s) returned	0.0020 sec / 0.00004...

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

```
43
44 SELECT DISTINCT company_name AS Empresas
45 FROM company
46 WHERE id IN(
47     SELECT company_id FROM transaction WHERE declined = 0 AND amount > (
48         SELECT AVG(amount) FROM transaction WHERE declined = 0));
49
```

100% 1:49

Result Grid Filter Rows: Search Export

Empresas	
Ac Fermentum Incorporated	
Magna A Neque Industries	
Sed Nunc Ltd	
Vestibulum Lorem PC	
Gravida Sagittis LLP	
Mus Aenean Eget Foundation	
Sed LLC	
Arcu LLP	
Elit Etiam Laoreet Associates	
Nunc Interdum Incorporated	
Non Magna LLC	

company 75 Read Only

Action Output

	Time	Action	Response	Duration / Fetch Time
1	12:46:37	SELECT DISTINCT company_name AS Empresas FROM company WHERE id IN( SELECT company_id FR...	49 row(s) returned	0.0011 sec / 0.00002...

Eliminaran del sistema les empreses que no tenen transaccions registrades, entrega el llistat d'aquestes empreses.

```
51
52 SELECT company_name AS Empresas_Sin_Transacciones
53 FROM company
54 WHERE NOT EXISTS (
55     SELECT 1 FROM transaction
56     WHERE company.id = transaction.company_id
57 );
58
```

00% 9:57

Result Grid Filter Rows: Search Export

Empresas_Sin_Transacciones	
----------------------------	--

company 76 Read Only

Action Output

	Time	Action	Response	Duration / Fetch Time
1	12:47:14	SELECT company_name AS Empresas_Sin_Transacciones FROM company WHERE NOT EXISTS ( S...	S... 0 row(s) returned	0.00048 sec / 0.000...

## 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.

```
62
63 SELECT DATE(timestamp) AS Fecha, SUM(amount) AS Ingresos
64 FROM transaction
65 WHERE declined = 0
66 GROUP BY Fecha
67 ORDER BY Ingresos DESC
68 LIMIT 5;
69
```

100% 10:67

Result Grid Filter Rows: Search Export: Fetch rows:

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 77 Read Only

Action Output

	Time	Action	Response	Duration / Fetch Time
✓ 1	12:47:37	SELECT DATE(timestamp) AS Fecha, SUM(amount) AS Ingresos FROM transaction WHERE declined = 0...	5 row(s) returned	0.0011 sec / 0.00000...

### Exercici 2

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

```
72 SELECT c.country AS Países, ROUND(AVG(t.amount), 2) AS Ventas
73 FROM company c
74 JOIN transaction t
75 ON c.id = t.company_id
76 WHERE declined = 0
77 GROUP BY Países
78 ORDER BY Ventas DESC;
79
```

100% 22:78

Result Grid Filter Rows: Search Export:

Países	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

Result 78 Read Only

Action Output

	Time	Action	Response	Duration / Fetch Time
✓ 1	12:48:00	SELECT c.country AS Países, ROUND(AVG(t.amount), 2) AS Ventas FROM company c JOIN transaction t...	15 row(s) returned	0.0023 sec / 0.00001...

### 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.

The screenshot shows a SQL query editor with the following query:

```
SELECT *
FROM company c
JOIN transaction t
ON c.id = t.company_id
WHERE c.country = (
  SELECT country
  FROM company
  WHERE company_name = "Non Institute") AND c.company_name != "Non Institute";
```

The query is executed, and the results are displayed in a table with 11 columns: id, company\_name, phone, email, country, website, id, credit\_card\_id, company\_id, user\_id, lat, and long. The results show transactions for companies in the United Kingdom, excluding "Non Institute".

id	company_name	phone	email	country	website	id	credit_card_id	company_id	user_id	lat	long
b-2246	Sed Nunc Ltd	02 62 64 73 48	nibh@yahoo.org	United Kingdom	https://onn.com/one	28928E1C-EC14-A760-0A75-871477649D6A	CcU-2980	b-2246	275	-41.0496	161.
b-2246	Sed Nunc Ltd	02 62 64 73 48	nibh@yahoo.org	United Kingdom	https://onn.com/one	ACD2011A-A2B1-C365-41E1-2AB00C65147A	CcU-2980	b-2246	275	-54.4792	-82.
b-2310	Non Magna LLC	06 71 73 13 17	nisi.guique.fringilla@hotmail.ca	United Kingdom	https://whatsapp.com/vale	4334340E-C6B0-3068-A0D4-FEB7718A1ACE	CcU-3092	b-2310	275	-30.4859	150.
b-2310	Non Magna LLC	06 71 73 13 17	nisi.guique.fringilla@hotmail.ca	United Kingdom	https://whatsapp.com/vale	8C289A38-7784-28CD-1FE8-1ADED963E773	CcU-3092	b-2310	275	-78.0295	18.5
b-2326	Enim Conditum Ltd	09 55 51 66 25	imperdiet.non.vestibulum@yahoo.net	United Kingdom	https://onn.com/group/9	1479B3D2-87BA-C7BB-4CE3-8D7C2DE85ABB	CcU-2994	b-2326	133	66.2672	172.
b-2326	Enim Conditum Ltd	09 55 51 66 25	imperdiet.non.vestibulum@yahoo.net	United Kingdom	https://onn.com/group/9	152598C2-029D-D684-4B66-91EDF393EBFF	CcU-2994	b-2326	126	-67.0189	-141.
b-2326	Enim Conditum Ltd	09 55 51 66 25	imperdiet.non.vestibulum@yahoo.net	United Kingdom	https://onn.com/group/9	1B636B58-A2E8-7C69-D9C9-C54535DAFD3B	CcU-2994	b-2326	131	70.2543	-13.
b-2326	Enim Conditum Ltd	09 55 51 66 25	imperdiet.non.vestibulum@yahoo.net	United Kingdom	https://onn.com/group/9	20418DE5-B804-BE98-BD7A-A95C1BFDBF5C	CcU-2994	b-2326	126	-79.1145	1.51
b-2326	Enim Conditum Ltd	09 55 51 66 25	imperdiet.non.vestibulum@yahoo.net	United Kingdom	https://onn.com/group/9	2398B576-6C0E-137A-C2F6-3180A188A2D3	CcU-2994	b-2326	126	23.6174	137.
b-2326	Enim Conditum Ltd	09 55 51 66 25	imperdiet.non.vestibulum@yahoo.net	United Kingdom	https://onn.com/group/9	267C4A86-78A7-1C5E-0718-2824983C87DD	CcU-2994	b-2326	126	-17.5259	104.

Mostra el llistat aplicant solament subconsultes.

The screenshot shows a SQL query editor with the following query:

```
SELECT * FROM transaction
WHERE company_id IN (
  SELECT id
  FROM company
  WHERE country = (
    SELECT country
    FROM company
    WHERE company_name = "Non Institute")
  AND company_id != (
    SELECT id
    FROM company
    WHERE company_name = "Non Institute"));
```

The query is executed, and the results are displayed in a table with 11 columns: id, credit\_card\_id, company\_id, user\_id, lat, longitude, timestamp, amount, and declined. The results show transactions for companies in the United Kingdom, excluding "Non Institute".

id	credit_card_id	company_id	user_id	lat	longitude	timestamp	amount	declined
1479B3D2-87BA-C7BB-4CE3-8D7C2DE85ABB	CcU-2994	b-2326	133	66.2672	172.399	2021-08-09 00:58:07	309.45	0
152598C2-029D-D684-4B66-91EDF393EBFF	CcU-2994	b-2326	126	-67.0189	-141.672	2021-07-06 03:10:00	395.43	0
1B636B58-A2E8-7C69-D9C9-C54535DAFD3B	CcU-2994	b-2326	131	70.2543	-13.1336	2021-07-06 08:48:46	195.06	0
20418DE5-B804-BE98-BD7A-A95C1BFDBF5C	CcU-2994	b-2326	126	-79.1145	1.51481	2022-01-03 16:59:29	479.52	0
2398B576-6C0E-137A-C2F6-3180A188A2D3	CcU-2994	b-2326	126	23.6174	137.222	2021-08-28 06:04:05	43.90	0
267C4A86-78A7-1C5E-0718-2824983C87DD	CcU-2994	b-2326	126	-17.5259	104.915	2021-10-01 21:08:53	122.63	0



## 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.

```
112 #Ordena els resultats de major a menor quantitat.
113
114 SELECT c.company_name AS Empresa, c.phone AS Teléfono, c.country AS País, DATE(t.timestamp) AS Fecha, t.amount AS Importe
115 FROM company c
116 JOIN transaction t
117 ON c.id = t.company_id
118 WHERE t.amount BETWEEN 100 AND 200 AND DATE(timestamp) IN ('2021-04-29', '2021-07-20', '2022-03-13')
119 ORDER BY t.amount DESC;
```

100% 26:118

Result Grid

Empresa	Teléfono	País	Fecha	Importe
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 Conditiment Ltd	09 55 51 66 25	United Kingdom	2021-04-29	149.69
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 88

Action Output

Time	Action	Response	Duration / Fetch Time
12:54:32	SELECT c.companv_name AS Empresa, c.phone AS Teléfono, c.countrv AS País, DATE(t.timestamp) AS Fecha, t.amount AS Imoorpe FROM compoa...	5 row(s) returned	0.0016 sec / 0.00001...

### 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.

```
124
125 SELECT company_name AS Empresa, COUNT(*) AS Núm_Transacciones,
126 IF (COUNT(*)>4, "Si", "No") AS Superior_a_4
127 FROM transaction
128 JOIN company
129 ON transaction.company_id = company.id
130 WHERE declined =0
131 GROUP BY company_id
132 ORDER BY Núm_Transacciones, Empresa ASC;
```

100% 18:130

Result Grid

Empresa	Núm_Transacciones	Superior_a_4
A Institute	1	No
Ac Fermentum Incorporated	1	No
Ac Industries	1	No
Ac Libero Inc.	1	No
Aliquam Erit Voluptat LLP	1	No
Aliquam lacus Lacus Corp.	1	No
Aliquam PC	1	No
Aliquet Diam Limited	1	No
Aliquet Sem Limited	1	No
Aliquet Vel Vulputate Incorporated	1	No

Result 89

Action Output

Time	Action	Response	Duration / Fetch Time
12:54:59	SELECT company_name AS Empresa, COUNT(*) AS Núm_Transacciones, IF (COUNT(*)>4, "Si", "No") AS Superior_a_4 FROM transaction JOIN co...	100 row(s) returned	0.0028 sec / 0.00002...