

Nivel 1 Ejercicio 1. Características esquema creado:

nombre del esquema (base de datos):
transactions

propósito del esquema:
gestionar la información sobre compañías y sus transacciones

tablas del esquema:
company, transaction

definición y descripción de tablas:

company:

tabla que almacena los datos de las empresas que son parte del sistema de transacciones.

se compone de 6 campos:

id -> PK de la tabla. indicador único para diferenciar y filtrar empresas. Se genera automáticamente, normalmente.

company_name -> nombre que representa a la empresa.

phone -> número de contacto o principal de la empresa.

email -> dirección de correo de contacto o principal de la empresa.

country -> país de origen o dónde opera principalmente la empresa.

website -> página web principal de la empresa.

transaction:

tabla para registrar cada evento de transacción individual

se compone de 9 campos:

id -> PK de la tabla. identificador único para cada transacción. Se genera automáticamente, normalmente.

credit_card_id -> FK. vincula la transacción a una tarjeta de crédito específica (tabla credit_card no definida. La consulta funciona igualmente).

user_id -> FK. vincula la transacción a un usuario específico (tabla user no definida).

lat -> coordenada de latitud de la ubicación de la transacción.

longitude -> coordenada de longitud de la ubicación de la transacción.

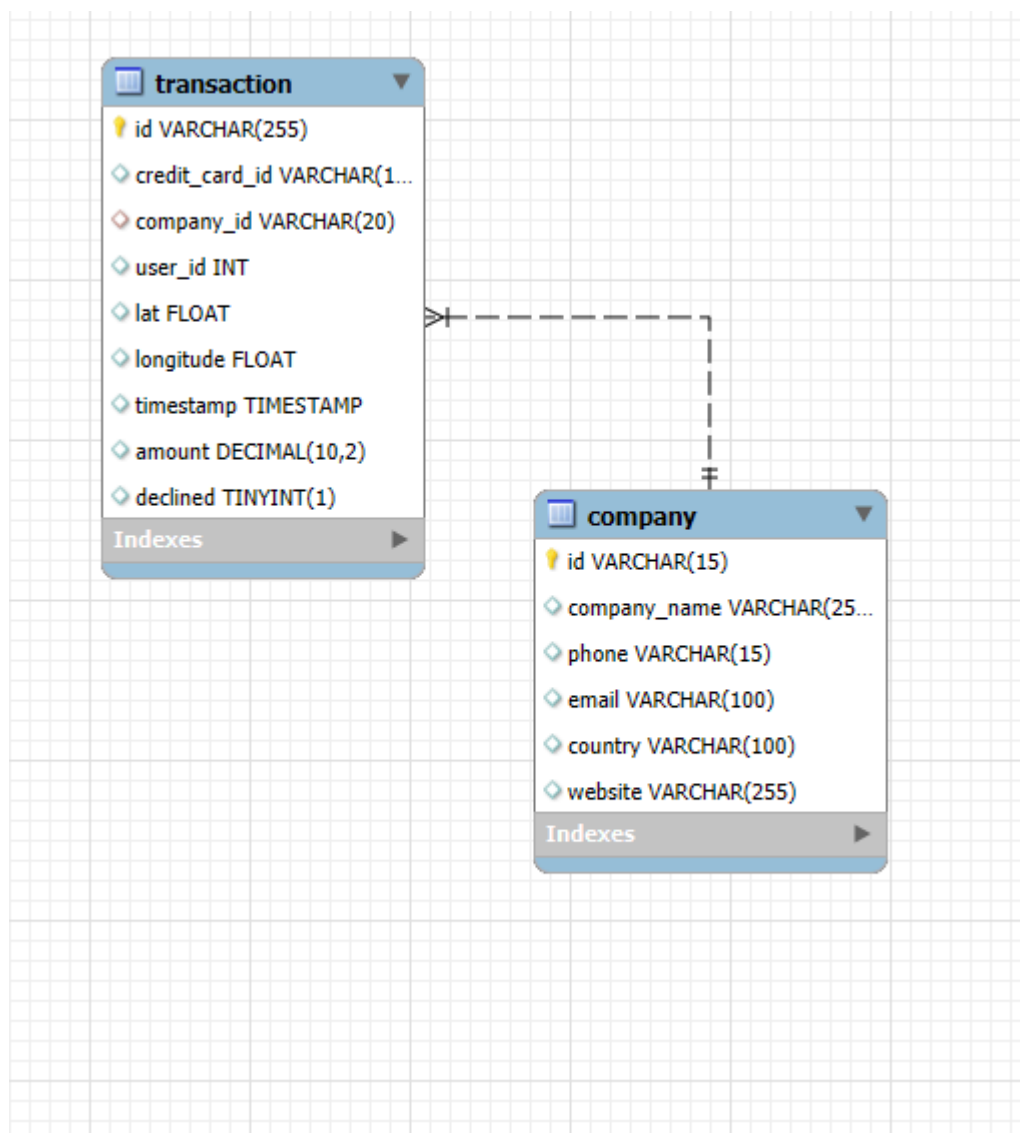
timestamp -> fecha y hora exacta de la transacción.

amount -> valor monetario de la transacción.

declined -> estado de la transacción: TRUE si fue rechazada, FALSE si fue exitosa.

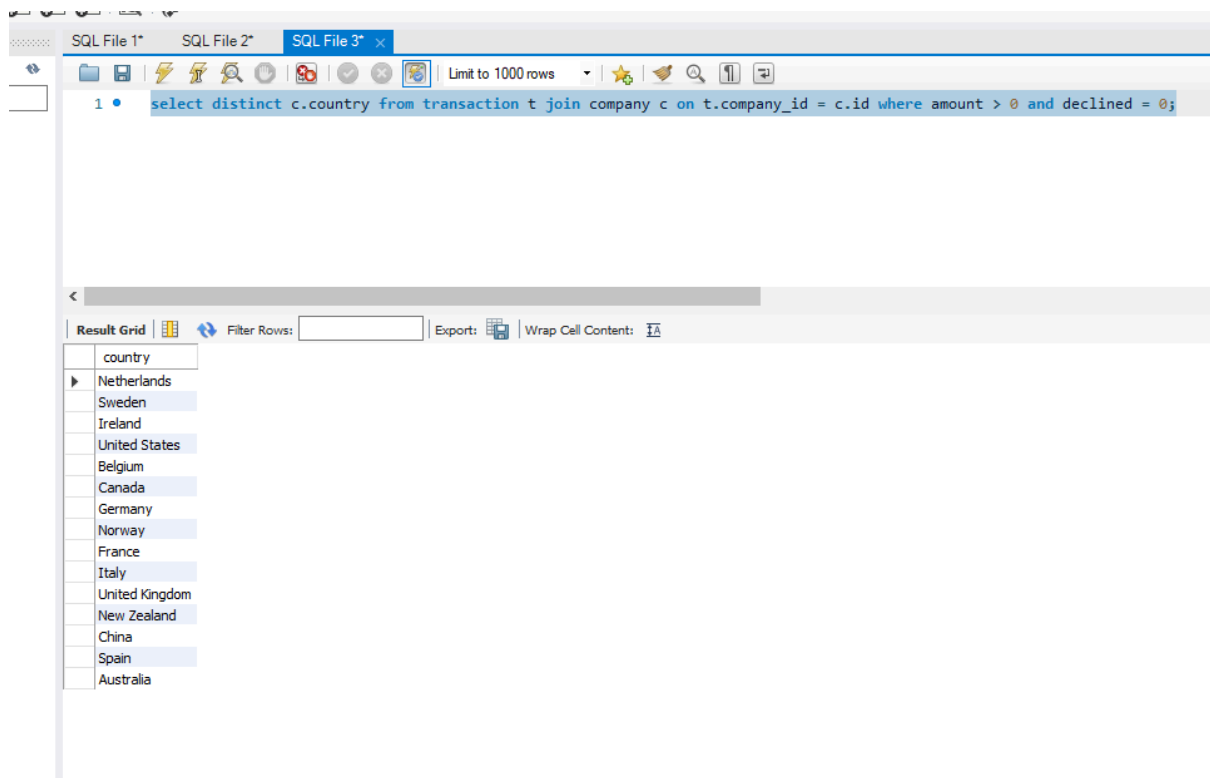
company_id -> FK. vincula la transacción a una empresa específica (tabla company).

Diagrama de relación:



Nivel 1 Ejercicio 2.

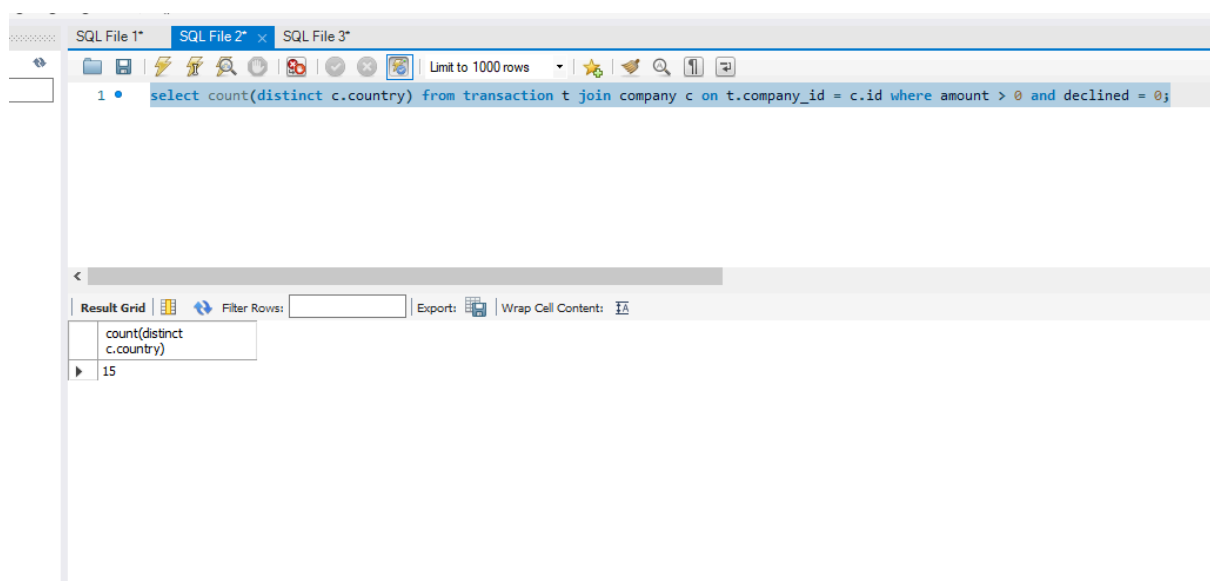
select distinct c.country from transaction t join company c on t.company_id = c.id where amount > 0 and declined = 0;



The screenshot shows a SQL editor window titled 'SQL File 3*' with a query: `select distinct c.country from transaction t join company c on t.company_id = c.id where amount > 0 and declined = 0;`. The results are displayed in a table with one column, 'country', listing 15 distinct countries: Netherlands, Sweden, Ireland, United States, Belgium, Canada, Germany, Norway, France, Italy, United Kingdom, New Zealand, China, Spain, and Australia.

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

select count(distinct c.country) from transaction t join company c on t.company_id = c.id where amount > 0 and declined = 0;

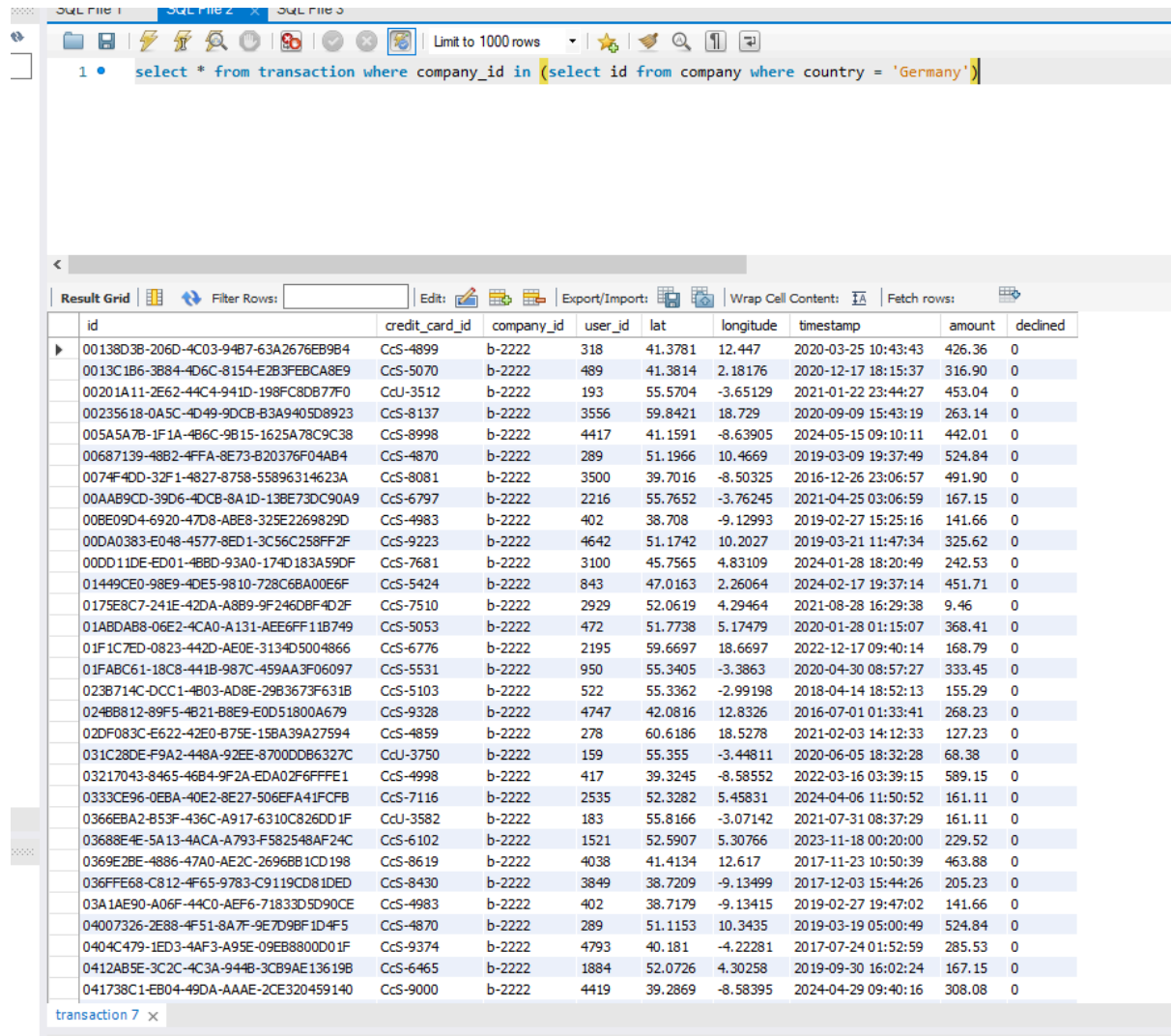


The screenshot shows a SQL editor window titled 'SQL File 2*' with a query: `select count(distinct c.country) from transaction t join company c on t.company_id = c.id where amount > 0 and declined = 0;`. The results are displayed in a table with one column, 'count(distinct c.country)', showing a single value of 15.

count(distinct c.country)
15

Nivel 1. Ejercicio 3.

select * from transaction where company_id in (select id from company where country = 'Germany')



The screenshot shows a SQL IDE interface with a query editor at the top and a results grid below. The query is: `select * from transaction where company_id in (select id from company where country = 'Germany')`. The results grid displays a list of transactions with columns: id, credit_card_id, company_id, user_id, lat, longitude, timestamp, amount, and declined. The results are sorted by id in descending order.

id	credit_card_id	company_id	user_id	lat	longitude	timestamp	amount	declined
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-198FC8DB77F0	CcU-3512	b-2222	193	55.5704	-3.65129	2021-01-22 23:44:27	453.04	0
00235618-0A5C-4D49-9DCB-83A9405D8923	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-13BE73DC90A9	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
01449CE0-98E9-4DE5-9810-728C6BA00E6F	CcS-5424	b-2222	843	47.0163	2.26064	2024-02-17 19:37:14	451.71	0
0175E8C7-241E-42DA-A8B9-9F246DBF4D2F	CcS-7510	b-2222	2929	52.0619	4.29464	2021-08-28 16:29:38	9.46	0
01ABDA88-06E2-4CA0-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
01FABC61-18C8-441B-987C-459AA3F06097	CcS-5531	b-2222	950	55.3405	-3.3863	2020-04-30 08:57:27	333.45	0
023B714C-DCC1-4B03-AD8E-29B3673F631B	CcS-5103	b-2222	522	55.3362	-2.99198	2018-04-14 18:52:13	155.29	0
024BB812-89F5-4B21-B8E9-E0D51800A679	CcS-9328	b-2222	4747	42.0816	12.8326	2016-07-01 01:33:41	268.23	0
02DF083C-E622-42E0-B75E-15BA39A27594	CcS-4859	b-2222	278	60.6186	18.5278	2021-02-03 14:12:33	127.23	0
031C28DE-F9A2-448A-92EE-8700DD86327C	CcU-3750	b-2222	159	55.355	-3.44811	2020-06-05 18:32:28	68.38	0
03217043-8465-46B4-9F2A-EDA02F6FFFE1	CcS-4998	b-2222	417	39.3245	-8.58552	2022-03-16 03:39:15	589.15	0
0333CE96-0EBA-40E2-8E27-506EFA41FCFB	CcS-7116	b-2222	2535	52.3282	5.45831	2024-04-06 11:50:52	161.11	0
0366EBA2-B53F-436C-A917-6310C826DD1F	CcU-3582	b-2222	183	55.8166	-3.07142	2021-07-31 08:37:29	161.11	0
03688E4E-5A13-4ACA-A793-F582548AF24C	CcS-6102	b-2222	1521	52.5907	5.30766	2023-11-18 00:20:00	229.52	0
0369E2BE-4886-47A0-AE2C-2696BB1CD198	CcS-8619	b-2222	4038	41.4134	12.617	2017-11-23 10:50:39	463.88	0
036FFE68-C812-4F65-9783-C9119CD81DED	CcS-8430	b-2222	3849	38.7209	-9.13499	2017-12-03 15:44:26	205.23	0
03A1AE90-A06F-44C0-AEF6-71833D5D90CE	CcS-4983	b-2222	402	38.7179	-9.13415	2019-02-27 19:47:02	141.66	0
04007326-2E88-4F51-8A7F-9E7D9BF1D4F5	CcS-4870	b-2222	289	51.1153	10.3435	2019-03-19 05:00:49	524.84	0
0404C479-1ED3-4AF3-A95E-09EB8800D01F	CcS-9374	b-2222	4793	40.181	-4.22281	2017-07-24 01:52:59	285.53	0
0412AB5E-3C2C-4C3A-944B-3CB9AE13619B	CcS-6465	b-2222	1884	52.0726	4.30258	2019-09-30 16:02:24	167.15	0
041738C1-EB04-49DA-AAAE-2CE320459140	CcS-9000	b-2222	4419	39.2869	-8.58395	2024-04-29 09:40:16	308.08	0

select * from company where id in (select company_id from transaction where amount > (select avg(amount) from transaction where declined = 0));

File Database Server Tools Scripting Help

SQL File 1* SQL File 2* x SQL File 3*

Limit to 1000 rows

```
1 select * from company where id in (select company_id from transaction where amount > (select avg(amount) from transaction where declined = 0));
```

Result Grid

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.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 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	Arcu 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@proton...	Australia	https://netflix.com/sub
b-2286	Fringilla LLC	08 29 15 93 57	gravida@protonmail.co.uk	New Zealand	https://reddit.com/user/110
b-2290	Quisque Libero LLC	01 45 48 71 11	sapien.molestie.ord@hotmail.co.uk	China	https://baidu.com/group/9
b-2294	Auctor Mauris Vel LLP	08 09 28 74 14	nec.tempus@icloud.co.uk	United States	https://instagram.com/fr
b-2298	Elit Etiam Laoreet Associates	07 69 74 17 45	ultrices@google.co.uk	Canada	https://yahoo.com/fr
b-2302	Nunc Interdum Incorporated	05 18 15 48 13	non@outlook.com	Germany	https://wikipedia.org/en-us
b-2306	Augue Foundation	06 88 43 15 63	mauris@yahoo.com	Germany	https://baidu.com/sub/cars
b-2310	Non Magna LLC	06 71 73 13 17	nisl.quisque.fringilla@hotmail.ca	United Kingdom	https://whatsapp.com/site
b-2314	A Institute	03 34 91 68 65	metus.aliquam@google.edu	Belgium	https://reddit.com/fr
b-2318	Quam A Felis Industries	04 87 10 27 16	proin.velit@icloud.edu	Italy	https://ebay.com/settings
b-2322	Integer Mollis Corp.	03 12 20 45 24	eu.eros@protonmail.ca	Italy	https://netflix.com/group/9
b-2326	Enim Condimentum Ltd	09 55 51 66 25	imperdiet.non.vestibulum@yahoo...	United Kingdom	https://cnn.com/group/9
b-2330	Donec Fringilla PC	01 51 58 14 44	ut.tincidunt@hotmail.ca	France	https://google.com/fr
b-2334	Amet Institute	06 33 40 21 33	nullam.lobortis.quam@outlook.net	Australia	https://nytimes.com/one
b-2338	Magna Incorporated	07 73 69 44 18	non@google.net	New Zealand	https://twitter.com/en-us
b-2342	Fringilla Porttitor Incorporated	06 30 30 97 81	ultrices.a.auctor@protonmail.co.uk	Sweden	https://wikipedia.org/settings

delete from company where id not in (select company_id from transaction);

SQL File 2* x SQL File 3*

Limit to 1000 rows

```
1 delete from company where id not in (select company_id from transaction);
```

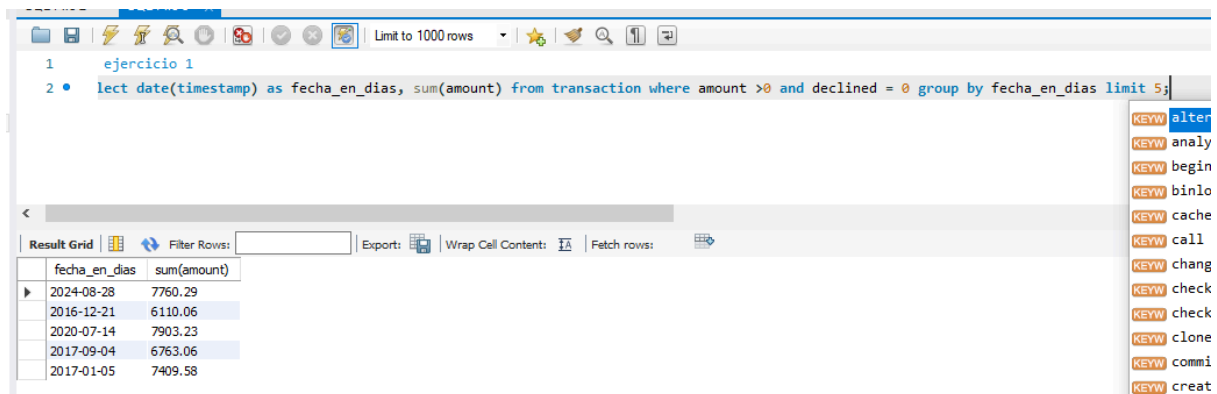
Output

Action Output

#	Time	Action	Message
1	11:37:09	delete from company where id not in (select company_id from transaction)	0 row(s) affected

Nivel 2. ejercicio 1.

select date(timestamp) as fecha_en_dias, sum(amount) from transaction
where amount >0 and declined = 0 group by fecha_en_dias limit 5;

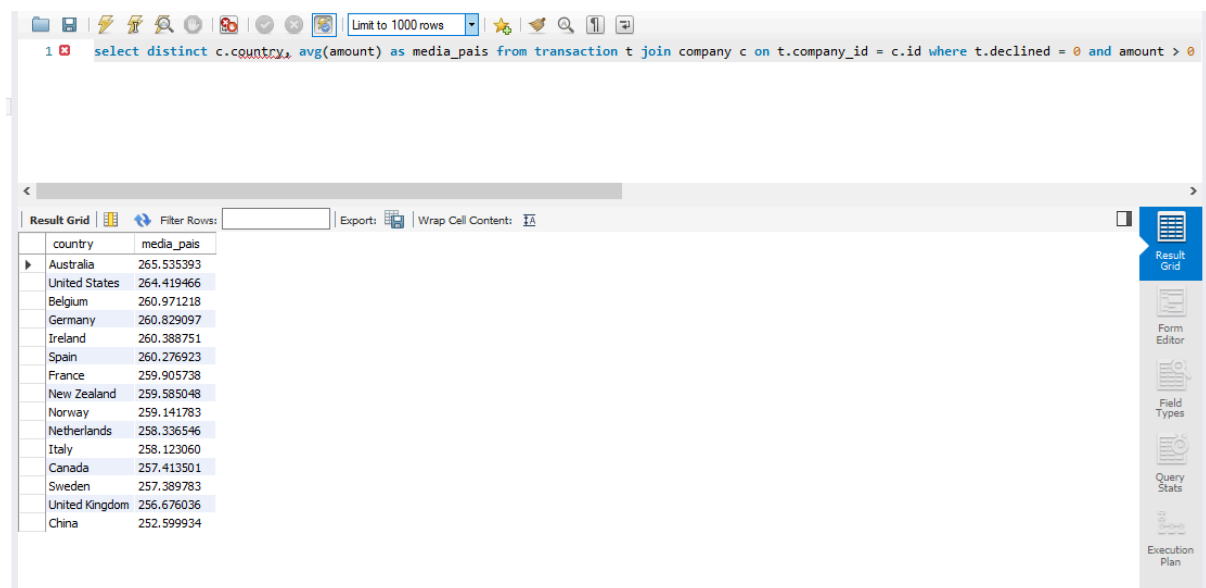


The screenshot shows a database query editor with a SQL query and its results. The query is: `select date(timestamp) as fecha_en_dias, sum(amount) from transaction where amount >0 and declined = 0 group by fecha_en_dias limit 5;`. The results are displayed in a table with two columns: `fecha_en_dias` and `sum(amount)`.

fecha_en_dias	sum(amount)
2024-08-28	7760.29
2016-12-21	6110.06
2020-07-14	7903.23
2017-09-04	6763.06
2017-01-05	7409.58

ejercicio 2.

select distinct c.country, avg(amount) as media_pais from transaction t join
company c on t.company_id = c.id where t.declined = 0 and amount > 0 group
by c.country order by media_pais desc;

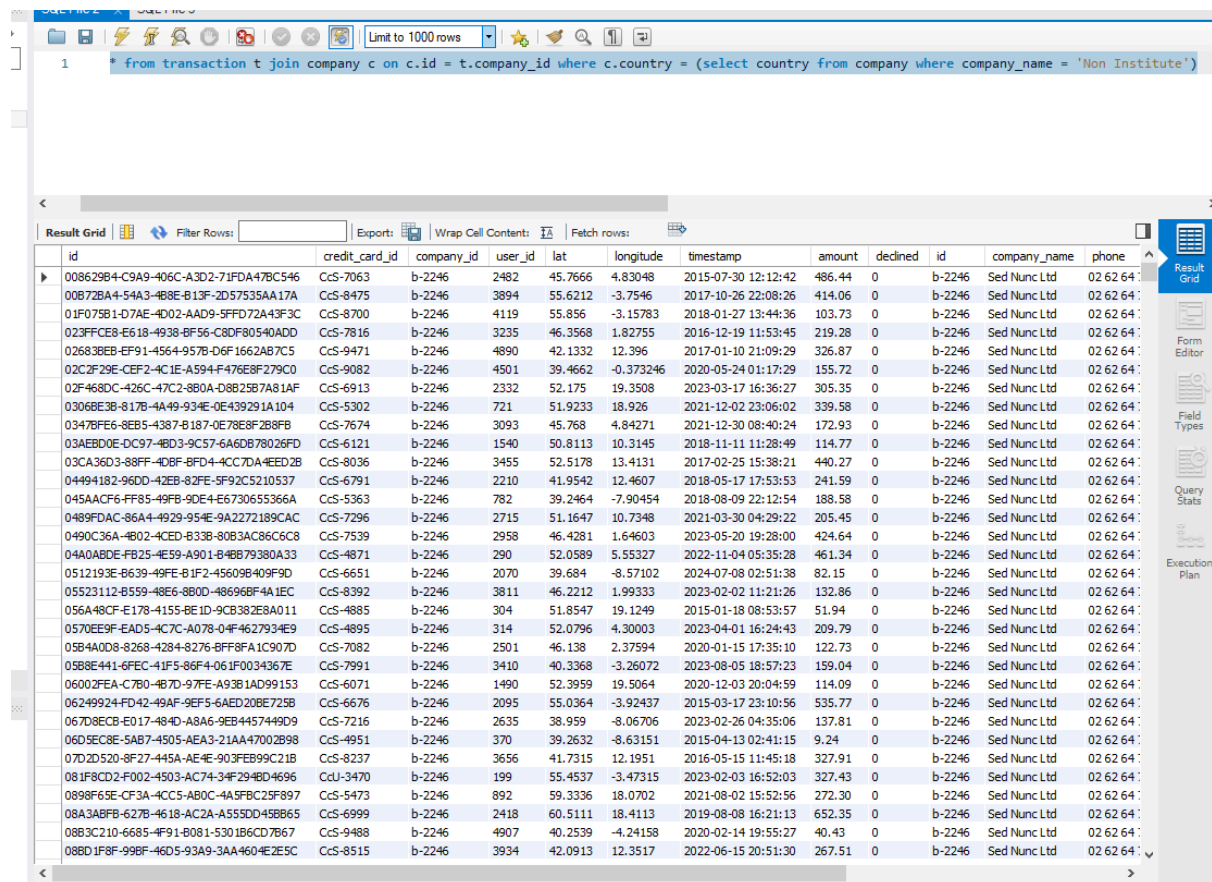


The screenshot shows a database query editor with a SQL query and its results. The query is: `select distinct c.country, avg(amount) as media_pais from transaction t join company c on t.company_id = c.id where t.declined = 0 and amount > 0 group by c.country order by media_pais desc;`. The results are displayed in a table with two columns: `country` and `media_pais`.

country	media_pais
Australia	265.535393
United States	264.419466
Belgium	260.971218
Germany	260.829097
Ireland	260.388751
Spain	260.276923
France	259.905738
New Zealand	259.585048
Norway	259.141783
Netherlands	258.336546
Italy	258.123060
Canada	257.413501
Sweden	257.389783
United Kingdom	256.676036
China	252.599934

ejercicio 3.

select * from transaction t join company c on c.id = t.company_id where c.country = (select country from company where company_name = 'Non Institute')



The screenshot shows a database query tool interface. At the top, a SQL query is entered: `select * from transaction t join company c on c.id = t.company_id where c.country = (select country from company where company_name = 'Non Institute')`. Below the query, the results are displayed in a grid. The grid has 12 columns: `id`, `credit_card_id`, `company_id`, `user_id`, `lat`, `longitude`, `timestamp`, `amount`, `declined`, `id`, `company_name`, and `phone`. The results show a list of transactions for the company 'Sed Nunc Ltd'.

id	credit_card_id	company_id	user_id	lat	longitude	timestamp	amount	declined	id	company_name	phone
008629B4-C9A9-406C-A3D2-71FDA47BC546	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 64
00B72BA4-54A3-4B8E-B13F-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 64
01F075B1-D7AE-4D02-AAD9-5FFD72A43F3C	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 64
023FFCE8-E618-4938-BF56-C8DF80540ADD	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 64
026838EB-EF91-4564-957B-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 64
02C2F29E-CEf2-4C1E-A594-F476E8F279C0	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 64
02F468DC-426C-47C2-880A-D8B25B7A81AF	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 64
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 64
03478FE6-8EB5-4387-B187-0E78E8F2B8FB	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 64
03AEBD0E-DC97-4B03-9C57-6A6D878026FD	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 64
03CA36D3-88FF-4DBF-8FD4-4CC7D4A4EED2B	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 64
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 64
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 64
0489FDAC-86A4-4929-954E-9A2722189CAC	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 64
0490C36A-4B02-4CED-B338-80B3AC86C6C8	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 64
04A0ABDE-FB25-4E59-A901-B4BB79380A33	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 64
0512193E-B639-49FE-B1F2-45609B409F9D	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 64
05523112-B559-48E6-8B0D-48696BF4A1EC	CcS-8392	b-2246	3811	46.2212	1.99333	2023-02-02 11:21:26	132.86	0	b-2246	Sed Nunc Ltd	02 62 64
056A48CF-E178-4155-8E1D-9C382E8A0111	CcS-4885	b-2246	304	51.8547	19.1249	2015-01-18 08:53:57	51.94	0	b-2246	Sed Nunc Ltd	02 62 64
0570EE9F-EAD5-4C7C-A078-04F4627934E9	CcS-4895	b-2246	314	52.0796	4.30003	2023-04-01 16:24:43	209.79	0	b-2246	Sed Nunc Ltd	02 62 64
05B4A0D8-8268-4284-8276-BFF8FA1C907D	CcS-7082	b-2246	2501	46.138	2.37594	2020-01-15 17:35:10	122.73	0	b-2246	Sed Nunc Ltd	02 62 64
05B8E441-6FEC-41F5-86F4-061F0034367E	CcS-7991	b-2246	3410	40.3368	-3.26072	2023-08-05 18:57:23	159.04	0	b-2246	Sed Nunc Ltd	02 62 64
06002FEA-C7B0-4B7D-97FE-A93B1AD99153	CcS-6071	b-2246	1490	52.3959	19.5064	2020-12-03 20:04:59	114.09	0	b-2246	Sed Nunc Ltd	02 62 64
06249924-FD42-49AF-9EF5-6AED20BE7258	CcS-6676	b-2246	2095	55.0364	-3.92437	2015-03-17 23:10:56	535.77	0	b-2246	Sed Nunc Ltd	02 62 64
067D8ECB-E017-484D-A8A6-9EB4457449D9	CcS-7216	b-2246	2635	38.999	-8.06706	2023-02-26 04:35:06	137.81	0	b-2246	Sed Nunc Ltd	02 62 64
06D5EC8E-5AB7-4505-AEA3-21AA47002B98	CcS-4951	b-2246	370	39.2632	-8.63151	2015-04-13 02:41:15	9.24	0	b-2246	Sed Nunc Ltd	02 62 64
07D2D520-8F27-445A-AE4E-903FEB99C21B	CcS-8237	b-2246	3656	41.7315	12.1951	2016-05-15 11:45:18	327.91	0	b-2246	Sed Nunc Ltd	02 62 64
081F8CD2-F002-4503-AC74-34F294BD4696	CcU-3470	b-2246	199	55.4537	-3.47315	2023-02-03 16:52:03	327.43	0	b-2246	Sed Nunc Ltd	02 62 64
0898F65E-CF3A-4CC5-AB0C-4A5FBC25F897	CcS-5473	b-2246	892	59.3336	18.0702	2021-08-02 15:52:56	272.30	0	b-2246	Sed Nunc Ltd	02 62 64
08A3ABFB-627B-4618-AC2A-A555DD458B65	CcS-6999	b-2246	2418	60.5111	18.4113	2019-08-08 16:21:13	652.35	0	b-2246	Sed Nunc Ltd	02 62 64
08B3C210-6685-4F91-B081-5301B6CD7B67	CcS-9488	b-2246	4907	40.2539	-4.24158	2020-02-14 19:55:27	40.43	0	b-2246	Sed Nunc Ltd	02 62 64
08BD1F8F-99BF-46D5-93A9-3AA4604E2E5C	CcS-8515	b-2246	3934	42.0913	12.3517	2022-06-15 20:51:30	267.51	0	b-2246	Sed Nunc Ltd	02 62 64

solo subconsultas:

select * from transaction where company_id in (select id from company where country = (select country from company where company_name = 'Non Institute'));

SQL File 2* SQL File 3*

Limit to 1000 rows

```

1
2 • select * from transaction where company_id in (select id from company where country = (select country from company where company_name = 'Non Insti

```

Result Grid

id	credit_card_id	company_id	user_id	lat	longitude	timestamp	amount	declined
008629B4-C9A9-406C-A3D2-71FDA47BC546	CS-7063	b-2246	2482	45.7666	4.83048	2015-07-30 12:12:42	486.44	0
00872BA4-54A3-4B8E-B13F-2D57535AA17A	CS-8475	b-2246	3894	55.6212	-3.7546	2017-10-26 22:08:26	414.06	0
01F075B1-D7AE-4D02-AAD9-5FFD72A43F3C	CS-8700	b-2246	4119	55.856	-3.15783	2018-01-27 13:44:36	103.73	0
023FFCE8-E618-4938-BF56-38DF80540ADD	CS-7816	b-2246	3235	46.3568	1.82755	2016-12-19 11:53:45	219.28	0
026838EB-EF91-4564-957B-D6F1662AB7C5	CS-9471	b-2246	4890	42.1332	12.396	2017-01-10 21:09:29	326.87	0
02C2F29E-CE2-4C1E-A594-F476E8F279C0	CS-9082	b-2246	4501	39.4662	-0.373246	2020-05-24 01:17:29	155.72	0
02F468DC-426C-47C2-8B0A-D8B25B7A81AF	CS-6913	b-2246	2332	52.175	19.3508	2023-03-17 16:36:27	305.35	0
03068E3B-817B-4A49-934E-0E439291A104	CS-5302	b-2246	721	51.9233	18.926	2021-12-02 23:06:02	339.58	0
03478FE6-8EB5-4387-B187-0E78E8F28BFB	CS-7674	b-2246	3093	45.768	4.84271	2021-12-30 08:40:24	172.93	0
03AEBD0E-DC97-4BD3-9C57-6A6D878026FD	CS-6121	b-2246	1540	50.8113	10.3145	2018-11-11 11:28:49	114.77	0
03CA36D3-88FF-4DBF-8FD4-4CC7DA4EED2B	CS-8036	b-2246	3455	52.5178	13.4131	2017-02-25 15:38:21	440.27	0
04494182-96DD-42EB-82FE-5F92C5210537	CS-6791	b-2246	2210	41.9542	12.4607	2018-05-17 17:53:53	241.59	0
045AACF6-FF85-49FB-9DE4-E673655366A	CS-5363	b-2246	782	39.2464	-7.90454	2018-08-09 22:12:54	188.58	0
0489FDAC-86A4-4929-954E-9A2272189CAC	CS-7296	b-2246	2715	51.1647	10.7348	2021-03-30 04:29:22	205.45	0
0490C36A-8B02-4CED-833B-80B3AC86C6C8	CS-7539	b-2246	2958	46.4281	1.64603	2023-05-20 19:28:00	424.64	0
04A0ABDE-FB25-4E59-A901-B4B879380A33	CS-4871	b-2246	290	52.0589	5.55327	2022-11-04 05:35:28	461.34	0
0512193E-8639-49FE-B1F2-45609409F9D	CS-6651	b-2246	2070	39.684	-8.57102	2024-07-08 02:51:38	82.15	0
05523112-8559-48E6-880D-486968F4A1EC	CS-8392	b-2246	3811	46.2212	1.99333	2023-02-02 11:21:26	132.86	0
056A48CF-E178-4155-BE1D-9C8332E8A011	CS-4885	b-2246	304	51.8547	19.1249	2015-01-18 08:53:57	51.94	0
0570E9F9-EAD5-4C7C-A078-04F4627934E9	CS-4895	b-2246	314	52.0796	4.30003	2023-04-01 16:24:43	209.79	0
0584A008-8268-4284-8276-BF8FA1C907D	CS-7082	b-2246	2501	46.138	2.37594	2020-01-15 17:35:10	122.73	0
0588E441-6FEC-41F5-86F4-061F0034367E	CS-7991	b-2246	3410	40.3368	-3.26072	2023-08-05 18:57:23	159.04	0
06002FEA-C7B0-4B7D-97FE-A93B1AD99153	CS-6071	b-2246	1490	52.3959	19.5064	2020-12-03 20:04:59	114.09	0
06249924-FD42-49AF-92F5-6AED20BE725B	CS-6676	b-2246	2095	55.0364	-3.92437	2015-03-17 23:10:56	535.77	0
067D8ECB-E017-484D-ABA6-9EB4457448D9	CS-7216	b-2246	2635	38.959	-8.06706	2023-02-26 04:35:06	137.81	0
06D9EC8E-SAB7-4504-AEA3-21AA47002B98	CS-4951	b-2246	370	39.2632	-8.63151	2015-04-13 02:41:15	9.24	0
07D2D520-8F27-445A-AE4E-903FEB99C21B	CS-8237	b-2246	3656	41.7315	12.1951	2016-05-15 11:45:18	327.91	0
081F8CD2-F002-4503-AC74-34F294BD4696	CS-3470	b-2246	199	55.4537	-3.47315	2023-02-03 16:52:03	327.43	0
0898F65E-CF3A-4CC5-AB0C-4A5FBC25F897	CS-5473	b-2246	892	59.3336	18.0702	2021-08-02 15:52:56	272.30	0
08A3ABFB-627B-4618-AC2A-A555DD45B865	CS-6999	b-2246	2418	60.5111	18.4113	2019-08-08 16:21:13	652.35	0
08B3C210-6685-4F91-B081-5301B6CD7867	CS-9488	b-2246	4907	40.2539	-4.24158	2020-02-14 19:55:27	40.43	0
08BD1F8F-99BF-46D5-93A9-3AA46E4E2E5C	CS-8515	b-2246	3934	42.0913	12.3517	2022-06-15 20:51:30	267.51	0
08EF5728-75ED-4E69-8B80-5D226DAE1E8E	CS-7850	b-2246	3269	42.2252	12.5028	2021-05-15 05:44:19	525.51	0

Nivel 3. ejercicio 1.

select c.company_name, c.phone, c.country, date(t.timestamp) as transaction_date, t.amount from company c join transaction t on c.id = t.company_id where t.amount between 350 and 400 and date(t.timestamp) in ('2015-04-29', '2018-07-20', '2024-03-13') and t.declined = 0 order by t.amount desc;

SQL File 2* SQL File 3*

Limit to 1000 rows

```

1
2 • select t.amount between 350 and 400 and date(t.timestamp) in ('2015-04-29', '2018-07-20', '2024-03-13') and t.declined = 0 order by t.amount desc;

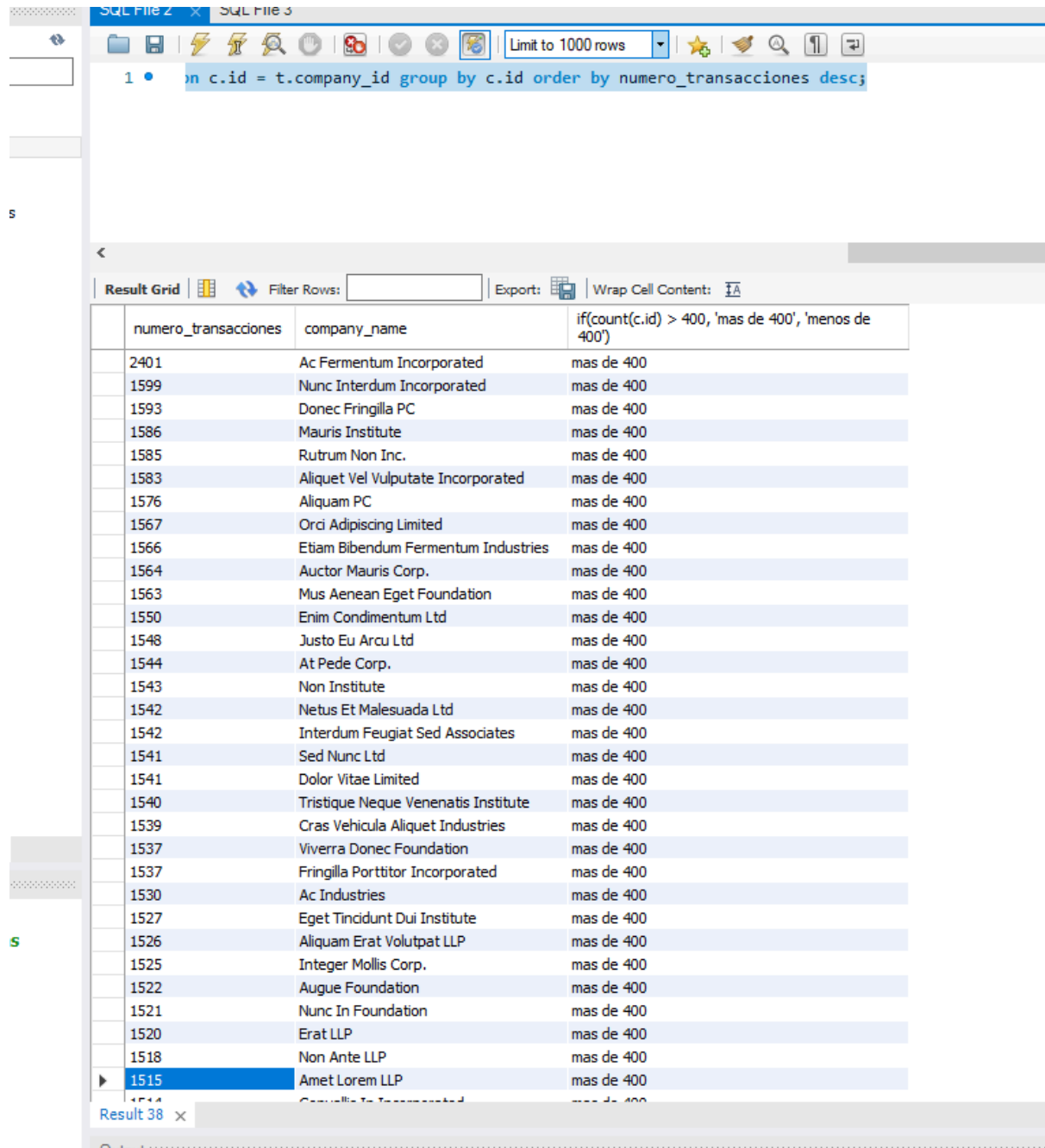
```

Result Grid

company_name	phone	country	transaction_date	amount
Aliquam PC	01 45 73	01 45 73 52 16	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
Aliquam PC	01 45 73 52 16	Germany	2024-03-13	388.29
Orci 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

ejercicio 2 ordenado desc:

select count(c.id) as numero_transacciones, c.company_name, if(count(c.id) > 400, 'mas de 400', 'menos de 400') from transaction t left join company c on c.id = t.company_id group by c.id order by numero_transacciones desc;



The screenshot shows a SQL IDE interface with two tabs: 'SQL File 2' and 'SQL File 3'. The active tab 'SQL File 2' contains the following SQL query:

```
1 • on c.id = t.company_id group by c.id order by numero_transacciones desc;
```

Below the query editor, the 'Result Grid' is displayed, showing the results of the query. The grid has three columns: 'numero_transacciones', 'company_name', and 'if(count(c.id) > 400, 'mas de 400', 'menos de 400')'. The results are ordered by 'numero_transacciones' in descending order. The first row is highlighted in blue.

numero_transacciones	company_name	if(count(c.id) > 400, 'mas de 400', 'menos de 400')
2401	Ac Fermentum Incorporated	mas de 400
1599	Nunc Interdum Incorporated	mas de 400
1593	Donec Fringilla PC	mas de 400
1586	Mauris Institute	mas de 400
1585	Rutrum Non Inc.	mas de 400
1583	Aliquet Vel Vulputate Incorporated	mas de 400
1576	Aliquam PC	mas de 400
1567	Orci Adipiscing Limited	mas de 400
1566	Etiam Bibendum Fermentum Industries	mas de 400
1564	Auctor Mauris Corp.	mas de 400
1563	Mus Aenean Eget Foundation	mas de 400
1550	Enim Condimentum Ltd	mas de 400
1548	Justo Eu Arcu Ltd	mas de 400
1544	At Pedet Corp.	mas de 400
1543	Non Institute	mas de 400
1542	Netus Et Malesuada Ltd	mas de 400
1542	Interdum Feugiat Sed Associates	mas de 400
1541	Sed Nunc Ltd	mas de 400
1541	Dolor Vitae Limited	mas de 400
1540	Tristique Neque Venenatis Institute	mas de 400
1539	Cras Vehicula Aliquet Industries	mas de 400
1537	Viverra Donec Foundation	mas de 400
1537	Fringilla Porttitor Incorporated	mas de 400
1530	Ac Industries	mas de 400
1527	Eget Tincidunt Dui Institute	mas de 400
1526	Aliquam Erat Volutpat LLP	mas de 400
1525	Integer Mollis Corp.	mas de 400
1522	Augue Foundation	mas de 400
1521	Nunc In Foundation	mas de 400
1520	Erat LLP	mas de 400
1518	Non Ante LLP	mas de 400
1515	Amet Lorem LLP	mas de 400
1514	Cras Vel Tincidunt	mas de 400

The 'Result Grid' also includes a 'Filter Rows' field, an 'Export' button, and a 'Wrap Cell Content' checkbox. The 'Result Grid' is currently showing 38 results.

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

	numero_transacciones	company_name	if(count(c.id) > 400, 'mas de 400', 'menos de 400')
	1518	Non Ante LLP	mas de 400
▶	1515	Amet Lorem LLP	mas de 400
	1514	Convallis In Incorporated	mas de 400
	1513	Ac Libero Inc.	mas de 400
	1511	Amet Nulla Donec Corporation	mas de 400
	1508	Dui Cras Associates	mas de 400
	1504	Egestas Nunc Sed Limited	mas de 400
	1494	Amet Faucibus Ut Foundation	mas de 400
	1489	Non Magna LLC	mas de 400
	1486	Maecenas Malesuada Fringilla Inc.	mas de 400
	1481	Quam A Felis Industries	mas de 400
	1481	Turpis Company	mas de 400
	1479	Non Justo Corp.	mas de 400
	1479	Placerat LLP	mas de 400
	1475	Gravida Sagittis LLP	mas de 400
	1466	Lorem Ipsum Dolor Corp.	mas de 400
	1460	Ut Semper Foundation	mas de 400
	1454	Tempor Diam Institute	mas de 400
	1449	Nulla Integer Vulputate Corp.	mas de 400
	1444	Aliquet Sem Limited	mas de 400
	1440	Nunc Ac PC	mas de 400
	485	Quisque Libero LLC	mas de 400
	474	Cras Consulting	mas de 400
	474	Magna Incorporated	mas de 400
	472	Ante Iaculis Nec Foundation	mas de 400
	472	Dictum Eu Corp.	mas de 400
	470	Tortor Nunc Commodore Company	mas de 400
	466	Tincidunt Associates	mas de 400
	465	Mauris Id Inc.	mas de 400
	464	Aliquet Diam Limited	mas de 400
	462	At Associates	mas de 400
	459	Amet Institute	mas de 400
	457	Uttam Consequat Associates	mas de 400

Result 38

Output

Action Output

#	Time	Action
62	12:28:12	select count(c.id) as numero_transacciones, c.company_name from transaction t join company c on c.id = t.company_id group by

100 rows

70	12:34:52	select count(c.id) as numero_transacciones, c.company_name, if(count(c.id) > 400, 'mas de 400', 'menos de 400') from transaction t left join company c ... 100 row(s) returned
----	----------	--