




Ex 1

```
1 • USE transactions;
2   #ex1
3
4 • SELECT
5     company_name,
6     country,
7     (
8       SELECT COUNT(amount)
9       FROM transaction
10      WHERE company.id = company_id
11     ) AS total_orders
12 FROM company
13 WHERE country = "germany"
14 order by total_orders desc;
15
```

Result Grid |  Filter Rows: | Export:  | Wrap Cell Content: 

company_name	country	total_orders
Nunc Interdum Incorporated	Germany	105
Ac Fermentum Incorporated	Germany	2
Convallis In Incorporated	Germany	2
Augue Foundation	Germany	2
Ac Industries	Germany	2
Auctor Mauris Corp.	Germany	2
Aliquam PC	Germany	2
Rutrum Non Inc.	Germany	1

Para poder usar esta fórmula tuve que hacer el count de las total_orders por que si lo dejo pidiendo solo el amount, entonces da más de un resultado ya que se repiten las compañías y me da error. De esta manera podemos ver las compañías por país y saber el total de pedidos.

Ex 2

```
17 #ex 2
18 • SELECT
19     company_id, SUM(amount)
20 FROM
21     transaction
22 WHERE
23     amount > (SELECT
24         AVG(amount)
25     FROM
26         transaction)
27     AND company_id IN (SELECT
28         company.id
29     FROM
30         company)
31 GROUP BY company_id
32 ORDER BY SUM(amount) DESC;
33
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: |

company_id	SUM(amount)
b-2302	18484.48
b-2346	12964.38
b-2494	12221.18
b-2326	10885.11
b-2362	10664.44
b-2278	9679.37
b-2618	7328.62
b-2398	946.15
b-2310	936.69
b-2410	922.42
b-2454	887.27
b-2458	885.04
b-2522	884.56

result 10 x

Output

#	Time	Action	Message
176	17:07:18	SELECT *, (SELECT company_name FROM company WHERE company.id = company_id AND country = (SELECT country FROM comp...	100 row(s) returned
177	17:15:25	SELECT company_name, country, (SELECT COUNT(amount) FROM transaction WHERE company.id = company_id) AS total_orders FRO...	8 row(s) returned
178	17:15:43	SELECT company_name, country, (SELECT COUNT(amount) FROM transaction WHERE company.id = company_id) AS total_orders FRO...	Error Code: 1111. Invalid use of
179	17:15:47	SELECT company_name, country, (SELECT COUNT(amount) FROM transaction WHERE company.id = company_id) AS total_orders FRO...	8 row(s) returned
180	17:16:27	SELECT company_id, SUM(amount) FROM transaction WHERE amount > (SELECT AVG(amount) FROM transaction) ...	70 row(s) returned

Este ejercicio me quedo un poco corto, aunque puedo comparar ambas tablas para poder encontrar la información. Hago la suma del amount para luego poder hacer la comparativa al amount global y así poder hacer la agrupación por company_id y que me den los 70 resultados.

Ex 3

```
34 #ex 3
35
36 SELECT
37 *,
38 (
39     SELECT company_name |
40     FROM company
41     WHERE company_name LIKE "C%"
42     AND company.id = company_id
43 ) as company
44 FROM transaction
45 where (
46     SELECT company_name
47     FROM company
48     WHERE company_name LIKE "C%"
49     AND company.id = company_id
50 ) is not null;
51
```

id	credit_card_id	company_id	user_id	lat	timestamp	amount	declined	company
0DD2E608-5C9E-D1...	CdJ-2959	b-2234	275	9.68811	2021-04-17 05:30:17	252.47	1	Convallis In Incorporated
439F4F6A-57C7-3A...	CdJ-3449	b-2514	268	-13.9867	2021-03-18 05:42:48	60.93	0	Cras Consulting
5C3A8A3D-8974-40...	CdJ-3519	b-2554	267	15.1828	2021-07-23 15:35:14	158.05	1	Cras Vehicula Aliquet Industries
8D895ADD-5501-2A...	CdJ-3519	b-2554	267	8.58711	2021-10-27 19:43:57	181.87	0	Cras Vehicula Aliquet Industries
AB069F53-965E-A2...	CdJ-2959	b-2234	275	1.64819	2021-04-15 13:37:18	60.99	0	Convallis In Incorporated
ED1CFB7D-E626-CE...	CdJ-3449	b-2514	268	9.75306	2021-11-28 23:27:04	230.41	1	Cras Consulting

Result 12 x

Output

Action Output

#	Time	Action	Message
✓ 179	17:15:47	SELECT company_name, country, (SELECT COUNT(amount) FROM transaction WHERE company.id = company_id) AS total_orders FRO...	8 row(s) returned
✓ 180	17:16:27	SELECT company_id, SUM(amount) FROM transaction WHERE amount > (SELECT AVG(amount) FROM transaction) ...	70 row(s) returned
✓ 181	17:16:52	SELECT *, (SELECT company_name FROM company WHERE company_name LIKE "C%" AND company.id = company_id) as compan...	6 row(s) returned
✗ 182	17:17:12	SELECT *, (SELECT * FROM company WHERE company_name LIKE "C%" AND company.id = company_id) as company FROM trans...	Error Code: 1241. Operand should contain 1 column(s)
✓ 183	17:17:17	SELECT *, (SELECT company_name FROM company WHERE company_name LIKE "C%" AND company.id = company_id) as compan...	6 row(s) returned

Este ejercicio fue complicado, pero al final di con esta formula que funciona. Dato curioso, si después del primer paréntesis aun poniendo as company, si luego le pongo que me haga el not null a company, no funciona, de ahí que lo tenga que poner como se ve en la imagen, poniendo todo el paréntesis entero is not null para que funcione.

Álvaro Míguez

Sprint 02 – Correcciones post 23/04

Ex 2.1

```
68 #70 resultados
69
70 • SELECT
71 *,
72 (
73     SELECT company_name
74     FROM company
75     WHERE company.id = company_id
76     AND country = (SELECT country FROM company WHERE company_name = "Non institute")
77     AND company_name not in ("non institute")
78 ) as results
79 FROM transaction
80 where (
81     SELECT company_name
82     FROM company
83     WHERE company.id = company_id
84     AND country = (SELECT country FROM company WHERE company_name = "Non institute")
85     AND company_name not in ("non institute")
86 ) is not null;
```

id	credit_card_id	company_id	user_id	lat	timestamp	amount	declined	results
147983D2-878A-C7...	CdJ-2994	b-2326	133	66.2672	2021-08-09 00:58:07	309.45	0	Enim Condimentum Ltd
152598C2-029D-06...	CdJ-2994	b-2326	126	-67.0189	2021-07-05 03:10:00	395.43	0	Enim Condimentum Ltd
1B636B58-A2E8-7C6...	CdJ-2994	b-2326	131	70.2543	2021-07-06 08:48:46	195.06	0	Enim Condimentum Ltd
20418DE5-8804-8E9...	CdJ-2994	b-2326	126	-79.1145	2022-01-03 15:59:29	479.52	0	Enim Condimentum Ltd
2398576-6C0E-137...	CdJ-2994	b-2326	126	23.6174	2021-08-26 06:04:05	43.90	0	Enim Condimentum Ltd
267C486-78A7-1C...	CdJ-2994	b-2326	126	-17.5259	2021-10-01 21:08:53	122.63	0	Enim Condimentum Ltd
2A5A3001-104F-ID...	CdJ-3169	b-2354	272	-67.2525	2022-02-27 18:35:15	30.76	0	Ac Libero Inc.
2B9281C-EC14-A7...	CdJ-2980	b-2246	275	-41.0496	2021-08-10 08:14:49	383.73	0	Sed Nunc Ltd
3142C3E-83B7-9E...	CdJ-2994	b-2326	126	-67.8476	2021-04-06 17:24:44	91.59	0	Enim Condimentum Ltd
3578688E-7B ID-888...	CdJ-2994	b-2326	126	87.0665	2021-07-26 22:59:24	303.60	0	Enim Condimentum Ltd
360C7814-F7AF-843...	CdJ-2994	b-2326	116	-7.93005	2021-08-21 10:19:58	494.82	0	Enim Condimentum Ltd

Result 14 x

Output

Action Output

#	Time	Action	Message
181	17:16:52	SELECT *, (SELECT company_name FROM company WHERE company_name LIKE "C%" AND company.id = company_id) as compan...	6 row(s) returned
182	17:17:12	SELECT *, (SELECT * FROM company WHERE company_name LIKE "C%" AND company.id = company_id) as company FROM trans...	Error Code: 1241. Operand should contain 1 column(s)
183	17:17:17	SELECT *, (SELECT company_name FROM company WHERE company_name LIKE "C%" AND company.id = company_id) as compan...	6 row(s) returned
184	17:17:40	SELECT DISTINCT company_name, company_id FROM company WHERE NOT EXISTS(SELECT * FROM transaction ...	0 row(s) returned
185	17:17:54	SELECT *, (SELECT company_name FROM company WHERE company.id = company_id AND country = (SELECT country FROM comp...	70 row(s) returned

Con la misma formula puedo conseguir las empresas de United Kingdom, añadiendo la línea “company_name not in (“non institute”) me permite quitar los resultados de Non Institute del total. Aún así quitando la frase obtenemos los 100 pedidos de United Kingdom.

```
88 # 100 resultados
89
90 • SELECT
91 *,
92 (
93     SELECT company_name
94     FROM company
95     WHERE company.id = company_id
96     AND country = (SELECT country FROM company WHERE company_name = "Non institute")
97 ) as results
98 FROM transaction
99 where (
100     SELECT company_name
101     FROM company
102     WHERE company.id = company_id
103     AND country = (SELECT country FROM company WHERE company_name = "Non institute")
104 ) is not null;
```

id	credit_card_id	company_id	user_id	lat	timestamp	amount	declined	results
0668296C-CD89-A8...	CdJ-3743	b-2618	265	-34.3593	2022-01-26 02:07:14	394.18	0	Non Institute
1017AA59-3D5F-7A...	CdJ-3701	b-2618	267	4.27645	2021-11-01 01:02:11	447.11	0	Non Institute
147983D2-878A-C7...	CdJ-2994	b-2326	133	66.2672	2021-08-09 00:58:07	309.45	0	Enim Condimentum Ltd
152598C2-029D-06...	CdJ-2994	b-2326	126	-67.0189	2021-07-05 03:10:00	395.43	0	Enim Condimentum Ltd
180648AB-7D54-A3...	CdJ-3771	b-2618	263	-67.118	2021-11-02 03:08:14	305.02	0	Non Institute
1A985411-6408-0E...	CdJ-3687	b-2618	267	44.3314	2021-08-22 23:51:51	306.96	0	Non Institute
1B636B58-A2E8-7C6...	CdJ-2994	b-2326	131	70.2543	2021-07-06 08:48:46	195.06	0	Enim Condimentum Ltd
1D6927AB-29A8-65...	CdJ-3659	b-2618	267	79.5467	2021-08-05 15:52:25	440.13	0	Non Institute
1FB125AB-0901-63A...	CdJ-3722	b-2618	267	-44.4339	2022-02-16 14:33:25	415.11	0	Non Institute
20418DE5-8804-8E9...	CdJ-2994	b-2326	126	-79.1145	2022-01-03 15:59:29	479.52	0	Enim Condimentum Ltd
22C9EC22-45FC-72...	CdJ-3645	b-2618	267	28.4439	2021-06-11 16:08:49	196.71	0	Non Institute

Result 15 x

Output





Action Output

#	Time	Action	Message
182	17:17:12	SELECT *, (SELECT * FROM company WHERE company_name LIKE "C%" AND company.id = company_id) as company FROM trans...	Error Code: 1241. Operand should contain 1 column(s)
183	17:17:17	SELECT *, (SELECT company_name FROM company WHERE company_name LIKE "C%" AND company.id = company_id) as compan...	6 row(s) returned
184	17:17:40	SELECT DISTINCT company_name, company_id FROM company WHERE NOT EXISTS(SELECT * FROM transaction ...	0 row(s) returned
185	17:17:54	SELECT *, (SELECT company_name FROM company WHERE company.id = company_id AND country = (SELECT country FROM comp...	70 row(s) returned
186	17:18:22	SELECT *, (SELECT company_name FROM company WHERE company.id = company_id AND country = (SELECT country FROM comp...	100 row(s) returned

Ex 2.2

```
107      #ex 2.2
108
109 •  SELECT
110      amount,
111      (
112          SELECT company_name
113          FROM company
114          WHERE company.id = company_id
115      ) AS company
116  FROM transaction
117  WHERE amount = (SELECT MAX(amount) FROM transaction);
```

<

Result Grid |   Filter Rows: | Export:  | Wrap Cell Content: 

	amount	company
▶	499.23	Nunc Interdum Incorporated

He optimizado la subquery utilizando max(amount).