

SPRINT 2 – VANESSA BUJALDON

NIVELL 1:

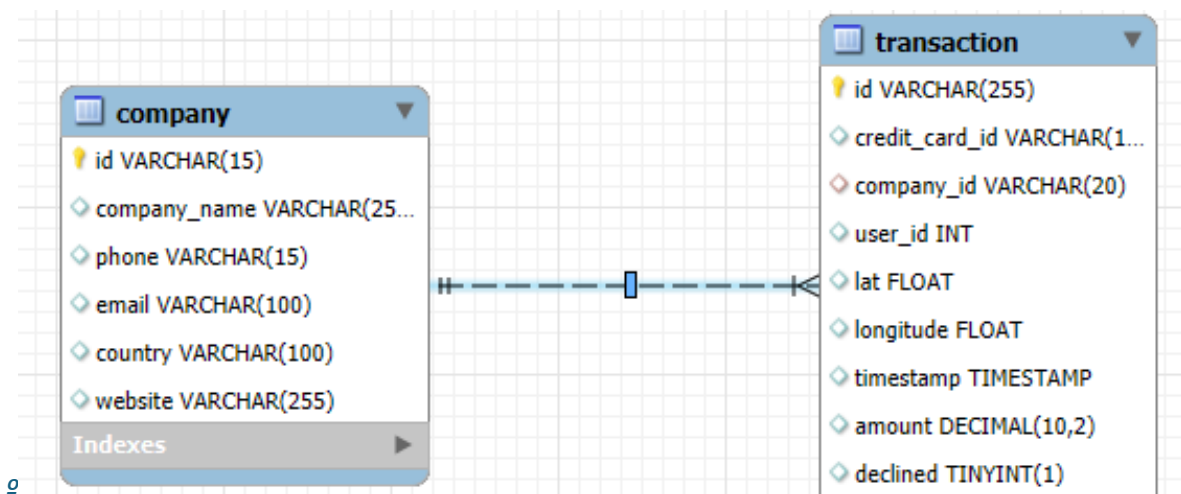
EXERCICI 1: Mostra les característiques principals de l'esquema creat i explica les diferents taules i variables que existeixen. Assegura't d'incloure un diagrama que il·lustri la relació entre les diferents taules i variable.

A) S'ha creat una bases de dades de nom TRANSACTIONS amb 2 taules (company i transaction):

1. company: 6 columnes (atributs) amb nom/tipus:
 - a. **Id** (**primary key**): tipus de dades VARCHAR (alfanumèric)
 - b. **Company_name**: VARCHAR
 - c. **Phone**: VARCHAR
 - d. **Email**: VARCHAR
 - e. **Country**: VARCHAR
 - f. **Website**: VARCHAR
2. transaction: 9 columnes (atributs) amb nom/tipus:
 - a. **Id** (**primary key**): VARCHAR
 - b. **Credit_Card_id**: VARCHAR
 - c. **Company_id**: VARCHAR (**foreign key**, la primary key de la taula company)
 - d. **User_id**: INTEGER (número sencer)
 - e. **Lat**: FLOAT (número decimal amb coma flotant)
 - f. **Longitud**: FLOAT
 - g. **Timestamp**:
 - h. **Amount**: DECIMAL (número de 10 dígitos màxim amb dos decimals).
 - i. **Declined**: TINYINT número petit que en aquesta taula és 0 o 1 / true-false

B) Relació entre taules company / transaction: relació 1 a N. La mateixa empresa (company_id) pot aparèixer varies vegades a la taula transaction (Cada companyia pot tenir moltes transaccions), mentre que cada transaction només té associada 1 empresa.

Amb dues taules, no podem parlar de quin model de dades complet és (model estrella o floc de neu). Faltaria veure la relació amb més taules.



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EXERCICI 2. *Utilitant JOIN realitzaràs les següents consultes:*

Llistat dels països que estan generant vendes.

```
1 • SELECT DISTINCT country AS llista_pais_amb_vendes
2 FROM transaction t
3 JOIN company c ON t.company_id = c.id
4 WHERE declined = 0
5 ORDER BY llista_pais_amb_vendes;
```

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

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

Result 2 x

Output

Action Output

#	Time	Action	Message
1	10:30:20	SELECT DISTINCT country AS llista_pais_amb_vendes FROM transaction t JOIN company c ON t.company_id = c.id WHERE declined = 0 ORDER BY llista_pais_amb_vendes;	15 row(s) returned

Des de quants països es generen les vendes.

```
1 • SELECT COUNT(DISTINCT country) AS recompte_països_amb_vendes
2 FROM transaction t
3 JOIN company c ON t.company_id = c.id
4 WHERE declined = 0;
```

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

recompte_països_amb_vendes
15

Output

Action Output

#	Time	Action	Message
1	21:55:10	SELECT COUNT(DISTINCT country) AS recompte_països_amb_vendes FROM transaction t JOIN company c ON t.company_id = c.id WHERE declined = 0;	1 row(s) returned

Identifica la companyia amb la mitjana més gran de vendes.

```
1 • SELECT t.company_id, ROUND(AVG(amount),2) AS mitja_transaccions
2 FROM transaction t JOIN company c ON t.company_id = c.id
3 GROUP BY t.company_id
4 ORDER BY mitja_transaccions DESC
5 LIMIT 1;
```

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

company_id	mitja_transaccions
b-2222	284,87

Output

Action Output

#	Time	Action	Message
1	10:17:50	SELECT t.company_id, ROUND(AVG(amount),2) AS mitja_transaccions FROM transaction t JOIN company c ON t.company_id = c.id GROUP BY t.company_id ORDER BY mitja_transaccions DESC LIMIT 1;	1 row(s) returned

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EXERCICI 3. Utilitzant només subconsultes (sense utilitzar JOIN):

Mostra totes les transaccions realitzades per empreses d'Alemanya.

```
1 • SELECT *
2 FROM transaction t
3 JOIN company c ON t.company_id = c.id
4 WHERE country = 'Germany' -- en aquest cas no hi ha transaccions declinades, sino, afegiria 'AND declined = 0';
```

Result Grid													
Filter Rows:													
Export: Wrap Cell Contents: Fetch rows:													
id	credit_card_id	company_id	user_id	lat	longitude	timestamp	amount	declined	id	company_name	phone	email	
00138D3B-206D-4C03-94B7-63A2676EB984	CcS-4899	b-2222	318	41.3781	12.447	2020-03-25 10:43:43	426.36	0	b-2222	Ac Fermentum Incorporated	06 85 56 52 33	donec.porttib	
0013C1B6-3B84-4D6C-8154-E2B3FEBCA8E9	CcS-5070	b-2222	489	41.3814	2.18176	2020-12-17 18:15:37	316.90	0	b-2222	Ac Fermentum Incorporated	06 85 56 52 33	donec.porttib	
00201A11-2E62-44C4-941D-198FC8D877F0	CcJ-3512	b-2222	193	55.5704	-3.65129	2021-01-22 23:44:27	453.04	0	b-2222	Ac Fermentum Incorporated	06 85 56 52 33	donec.porttib	
00235618-0A5C-4D49-9DCB-83A9405D8923	CcS-8137	b-2222	3556	59.8421	18.729	2020-09-09 15:43:19	263.14	0	b-2222	Ac Fermentum Incorporated	06 85 56 52 33	donec.porttib	
005A5A7B-1F1A-4B6C-9B15-1625A78C9C38	CcS-8998	b-2222	4417	41.1591	-8.63905	2024-05-15 09:10:11	442.01	0	b-2222	Ac Fermentum Incorporated	06 85 56 52 33	donec.porttib	
00687139-48B2-4FFA-8E73-B20376F04AB4	CcS-4870	b-2222	289	51.1966	10.4669	2019-03-09 19:37:49	524.84	0	b-2222	Ac Fermentum Incorporated	06 85 56 52 33	donec.porttib	
0074F4D0-32F1-4827-8758-55896314623A	CcS-8081	b-2222	3500	39.7016	-8.50325	2016-12-26 23:06:57	491.90	0	b-2222	Ac Fermentum Incorporated	06 85 56 52 33	donec.porttib	
00AAB9CD-39D6-4DCB-8A1D-13BE73DC90A9	CcS-6797	b-2222	2216	55.7652	-3.76245	2021-04-25 03:06:59	167.15	0	b-2222	Ac Fermentum Incorporated	06 85 56 52 33	donec.porttib	
00BE09D4-6920-47D8-ABE8-325E2269829D	CcS-4983	b-2222	402	38.708	-9.12993	2019-02-27 15:25:16	141.66	0	b-2222	Ac Fermentum Incorporated	06 85 56 52 33	donec.porttib	
00DA0383-ED48-4577-8ED1-3C58C258FF2F	CcS-9223	b-2222	4642	51.1742	10.2027	2019-03-21 11:47:34	325.62	0	b-2222	Ac Fermentum Incorporated	06 85 56 52 33	donec.porttib	
00DD11DE-ED01-4BBD-93A0-174D183A59DF	CcS-7681	b-2222	3100	45.7565	4.83109	2024-01-28 18:20:49	242.53	0	b-2222	Ac Fermentum Incorporated	06 85 56 52 33	donec.porttib	
01449CED-98E9-4DE5-9810-728C68A00E6F	CcS-5424	b-2222	843	47.0163	2.26064	2024-02-17 19:37:14	451.71	0	b-2222	Ac Fermentum Incorporated	06 85 56 52 33	donec.porttib	
0175E8C7-241E-42DA-A8B9-9F246DBF4D2F	CcS-7510	b-2222	2929	52.0619	4.29464	2021-08-28 16:29:38	9.46	0	b-2222	Ac Fermentum Incorporated	06 85 56 52 33	donec.porttib	
01ABDAB8-06E2-4CA0-A131-AEE6FF11B749	CcS-5053	b-2222	472	51.7738	5.17479	2020-01-28 01:15:07	368.41	0	b-2222	Ac Fermentum Incorporated	06 85 56 52 33	donec.porttib	
01F1C7ED-0823-442D-AE0E-3134D5004866	CcS-6776	b-2222	2195	59.6697	18.6697	2022-12-17 09:40:14	168.79	0	b-2222	Ac Fermentum Incorporated	06 85 56 52 33	donec.porttib	
01FABC61-18C8-441B-9B7C-459AA3F06097	CcS-5531	b-2222	950	55.3405	-3.3863	2020-04-30 08:57:27	333.45	0	b-2222	Ac Fermentum Incorporated	06 85 56 52 33	donec.porttib	
023B714C-DCC1-4B03-AD8E-2983673F631B	CcS-5103	b-2222	522	55.3362	-2.99198	2018-04-14 18:52:13	155.29	0	b-2222	Ac Fermentum Incorporated	06 85 56 52 33	donec.porttib	
024BB812-89F5-4B21-B8E9-E0D51800A679	CcS-9328	b-2222	4747	42.0816	12.8326	2016-07-01 01:33:41	268.23	0	b-2222	Ac Fermentum Incorporated	06 85 56 52 33	donec.porttib	
02DF083C-E622-42E0-B75E-15BA39A27594	CcS-4859	b-2222	278	60.6186	18.5278	2021-02-03 14:12:33	127.23	0	b-2222	Ac Fermentum Incorporated	06 85 56 52 33	donec.porttib	
031C28DE-F9A2-448A-92EE-8700DD0B6327C	CcJ-3750	b-2222	159	55.355	-3.44811	2020-06-05 18:32:28	68.38	0	b-2222	Ac Fermentum Incorporated	06 85 56 52 33	donec.porttib	
03217043-8465-46B4-9F2A-EDA02F6FFFE1	CcS-4998	b-2222	417	39.3245	-8.58552	2022-03-16 03:39:15	589.15	0	b-2222	Ac Fermentum Incorporated	06 85 56 52 33	donec.porttib	
Result 13 x													
Output													
Action Output													
#	Time	Action	Message										
1	11:13:39	SELECT * FROM transaction t JOIN company c ON t.company_id = c.id WHERE country = 'Germany' -- en aquest cas no hi ha transaccions declinades, sino, afegiria 'AND declined = 0';	13291 row(s) returned										

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

```
1 • SELECT c.id AS codi_empresa, c.company_name AS nom_empresa, ROUND(AVG(t.amount),0) AS mitja_transaccions
2 FROM transaction t
3 JOIN company c ON t.company_id = c.id
4 GROUP BY company_id
5 HAVING mitja_transaccions > (SELECT ROUND(AVG(amount),0) AS mitjana_general FROM transaction)
6 ORDER BY mitja_transaccions DESC;
```

Result Grid			
Filter Rows:			
Export: Wrap Cell Content:			
codi_empresa	nom_empresa	mitja_transaccions	
b-2222	Ac Fermentum Incorporated	285	
b-2282	Pretium Neque Corp.	276	
b-2422	Urna Convallis Associates	274	
b-2538	At Associates	272	
b-2570	Aliquet Diam Limited	270	
b-2498	Metus Vitae Associates	270	
b-2470	Nec Luctus LLC	269	
b-2382	Neque Tellus Incorporated	268	
b-2394	Tortor Nunc Commodo Company	268	
b-2514	Cras Consulting	267	
b-2398	Eget Ipsum Ltd	267	
b-2274	Sed LLC	266	
b-2334	Amet Institute	266	
b-2574	Orci Adipiscing Limited	265	
b-2230	Fusce Corp.	265	
b-2242	Donec Ltd	265	
b-2462	Pede Ultrices Ltd	265	
b-2258	Vestibulum Lorem PC	265	
b-2346	Ut Semper Foundation	265	
b-2486	Tincidunt Orci Limited	265	
b-2254	Nascetur Ridiculus Mus Inc.	264	
b-2410	Sed Id Limited	264	
b-2390	Neque Tellus Imperdiet Corp.	264	
b-2492	Pede Vitae Limited	264	
Result 4 x			
Output			
Action Output			
#	Time	Action	Message
1	11:24:08	SELECT c.id AS codi_empresa, c.company_name AS nom_empresa, ROUND(AVG(t.amount),0) AS mitja_transaccions FROM transaction t JOIN company c ON t.company_id = c.id GROUP BY company_id	45 row(s) returned

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

```
1 • SELECT *
2 FROM company c
3 LEFT JOIN transaction t ON t.company_id = c.id
4 WHERE t.id IS NULL ;
```

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

	id	company_name	phone	email	country	website	id	credit_card_id	company_id	user_id	lat	longitude	timestamp	amount	declined
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Output



Action Output



#	Time	Action	Message
1	11:47:53	SELECT * FROM company c LEFT JOIN transaction t ON t.company_id = c.id WHERE t.id IS NULL	0 row(s) returned

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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.

```
1 • SELECT DATE(timestamp) AS data, SUM(amount) AS total_vendes
2 FROM transaction
3 WHERE declined = 0
4 GROUP BY DATE(timestamp)
5 ORDER BY total_vendes DESC
6 LIMIT 5;
```

Result Grid		Filter Rows:	Export:	Wrap Cell Content:
data	total_vendes			
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 11 x

Output

Action Output

#	Time	Action	Message
1	12:06:54	SELECT DATE(timestamp) AS data, SUM(amount) AS total_vendes FROM transaction WHERE declined = 0 GROUP BY DATE(timestamp) ORDER BY total_vendes DESC LIMIT 5	5 row(s) returned

EXERCICI 2. Quina és la mitjana de vendes per país? Presenta els resultats ordenats de major a menor mitjà.

```
1 • SELECT country AS país, ROUND(AVG(t.amount),2) AS mitjana_vendes
2 FROM transaction t
3 JOIN company c ON t.company_id = c.id
4 GROUP BY country
5 ORDER BY mitjana_vendes DESC;
```

Result Grid		Filter Rows:	Export:	Wrap Cell Content:
país	mitjana_vendes			
Australia	265.19			
United States	264.98			
Belgium	261.15			
Germany	260.84			
Ireland	260.64			
Spain	260.47			
France	259.98			
New Zealand	259.59			
Norway	259.38			
Netherlands	258.44			
Italy	258.27			
Sweden	257.44			
Canada	257.43			
United Kingdom	256.76			
China	252.42			

Result 5 x

Output

Action Output

#	Time	Action	Message
1	12:12:19	SELECT country AS país, ROUND(AVG(t.amount),2) AS mitjana_vendes FROM transaction t JOIN company c ON t.company_id = c.id GROUP BY country ORDER BY mitjana_ven...	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.

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- Mostra el llistat aplicant JOIN i subconsultes.

```
1 • SELECT *
2 FROM transaction t
3 JOIN company c ON t.company_id = c.id
4 WHERE country = (
5     SELECT country
6     FROM company
7     WHERE company_name LIKE '%Non Institute%'
8 );
```

Result Grid

id	credit_card_id	company_id	user_id	lat	longitude	timestamp	amount	declined	id	company_name	phone	email	country	website
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 73 48	nibh@yahoo.org	United Kingdom	https://cnn.com/one
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 73 48	nibh@yahoo.org	United Kingdom	https://cnn.com/one
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 73 48	nibh@yahoo.org	United Kingdom	https://cnn.com/one
023FCE8-E618-4938-8F56-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 73 48	nibh@yahoo.org	United Kingdom	https://cnn.com/one
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 73 48	nibh@yahoo.org	United Kingdom	https://cnn.com/one
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 73 48	nibh@yahoo.org	United Kingdom	https://cnn.com/one
02F468DC-426C-47C2-8B0A-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 73 48	nibh@yahoo.org	United Kingdom	https://cnn.com/one
0306BE38-B17B-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 73 48	nibh@yahoo.org	United Kingdom	https://cnn.com/one
0347BFE6-8EB5-4387-B187-0E78E8F288FB	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 73 48	nibh@yahoo.org	United Kingdom	https://cnn.com/one
03AEBD0E-DC97-4BD3-9C57-6A6DB78026FD	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 73 48	nibh@yahoo.org	United Kingdom	https://cnn.com/one
03CA36D3-88FF-4DBF-BFD4-4CC7DA4EED2B	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 64 73 48	nibh@yahoo.org	United Kingdom	https://cnn.com/one
04494182-96DD-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 73 48	nibh@yahoo.org	United Kingdom	https://cnn.com/one
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 73 48	nibh@yahoo.org	United Kingdom	https://cnn.com/one
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 64 73 48	nibh@yahoo.org	United Kingdom	https://cnn.com/one
0490C36A-BD02-4CED-B33B-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 73 48	nibh@yahoo.org	United Kingdom	https://cnn.com/one
04A0BDEB-FB25-4E39-A901-B98B79380A33	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 73 48	nibh@yahoo.org	United Kingdom	https://cnn.com/one

Output

Action Output

#	Time	Action	Message
1	12:21:29	SELECT * FROM transaction t JOIN company c ON t.company_id = c.id WHERE country = (SELECT country FROM company WHERE company_name LIKE '%Non Institute%')	13776 row(s) returned

- Mostra el llistat aplicant solament subconsultes.

```
1 • USE `transactions`;
2 • SELECT *
3 FROM transaction
4 WHERE company_id IN
5 (
6     SELECT id
7     FROM company
8     WHERE country =
9     (
10        SELECT country
11        FROM company
12        WHERE company_name LIKE '%Non Institute%'
13    )
14 )
15 ;
```

Result Grid

id	credit_card_id	company_id	user_id	lat	longitude	timestamp	amount	declined
008629B4-C9A9-406C-A3D2-71FDA47BC546	CcS-7063	b-2246	2482	45.7666	4.83048	2015-07-30 12:12:42	486.44	0
00B72BA4-54A3-4B8E-B13F-2D57535AA17A	CcS-8475	b-2246	3894	55.6212	-3.7546	2017-10-26 22:08:26	414.06	0
01F075B1-D7AE-4D02-AAD9-5FFD72A43F3C	CcS-8700	b-2246	4119	55.856	-3.15783	2018-01-27 13:44:36	103.73	0
023FCE8-E618-4938-8F56-C8DF80540ADD	CcS-7816	b-2246	3235	46.3568	1.82755	2016-12-19 11:53:45	219.28	0
026838EB-EF91-4564-957B-D6F1662AB7C5	CcS-9471	b-2246	4890	42.1332	12.396	2017-01-10 21:09:29	326.87	0
02C2F29E-CEF2-4C1E-A594-F476E8F279C0	CcS-9082	b-2246	4501	39.4662	-0.373246	2020-05-24 01:17:29	155.72	0
02F468DC-426C-47C2-8B0A-D8B25B7A81AF	CcS-6913	b-2246	2332	52.175	19.3508	2023-03-17 16:36:27	305.35	0
0306BE38-B17B-4A49-934E-0E439291A104	CcS-5302	b-2246	721	51.9233	18.926	2021-12-02 23:06:02	339.58	0
0347BFE6-8EB5-4387-B187-0E78E8F288FB	CcS-7674	b-2246	3093	45.768	4.84271	2021-12-30 08:40:24	172.93	0
03AEBD0E-DC97-4BD3-9C57-6A6DB78026FD	CcS-6121	b-2246	1540	50.8113	10.3145	2018-11-11 11:28:49	114.77	0
03CA36D3-88FF-4DBF-BFD4-4CC7DA4EED2B	CcS-8036	b-2246	3455	52.5178	13.4131	2017-02-25 15:38:21	440.27	0
04494182-96DD-42EB-82FE-5F92C5210537	CcS-6791	b-2246	2210	41.9542	12.4607	2018-05-17 17:53:53	241.59	0

transaction 5 x

Output

Action Output

#	Time	Action	Message
1	13:10:44	USE `transactions`	0 row(s) affected
2	13:10:44	SELECT * FROM transaction WHERE company_id IN (SELECT id FROM company WHERE country = (SELECT country FROM company WHERE company_name LIKE '%Non Institute%'))	13776 row(s) returned

SPRINT 2 – VANESSA BUJALDON

NIVELL 3:

EXERCICI 1 : Presenta el nom, telèfon, país, data i amount, d'aquelles empreses que van realitzar transaccions amb un valor comprès entre 350 i 400 euros i en alguna d'aquestes dates: 29 d'abril del 2015, 20 de juliol del 2018 i 13 de març del 2024. Ordena els resultats de major a menor quantitat.

```
1 • SELECT c.company_name AS nom_empresa, c.phone AS telefon, DATE(timestamp) AS data_transaccio, t.amount AS import_transaccio
2 FROM transaction t
3 JOIN company c ON t.company_id = c.id
4 WHERE amount BETWEEN 350 AND 400 AND DATE(timestamp) IN ('2015-04-29', '2018-07-20', '2024-03-13')
5 ORDER BY import_transaccio DESC;
```

nom_empresa	telefon	data_transaccio	import_transaccio
Aliquam PC	01 45 73 52 16	2024-03-13	399.84
Auctor Mauris Vel LLP	08 09 28 74 14	2018-07-20	399.51
At Pede Corp.	06 14 48 33 15	2015-04-29	390.69
Aliquam PC	01 45 73 52 16	2024-03-13	388.29
Orci Adipiscing Limited	03 18 00 77 81	2018-07-20	373.71
Fringilla LLC	08 29 15 93 57	2015-04-29	367.62
Pede Cum Ltd	07 62 26 48 38	2018-07-20	356.87
Auctor Mauris Vel LLP	08 09 28 74 14	2024-03-13	353.75

Result 9 x

Output

Action Output

#	Time	Action	Message
1	13:35:31	SELECT c.company_name AS nom_empresa, c.phone AS telefon, DATE(timestamp) AS data_transaccio, t.amount AS import_transaccio FROM transaction t JOIN company c ON t.c...	8 row(s) returned

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 400 transaccions o menys.

```
1 • SELECT c.id, c.company_name AS nom_empresa, COUNT(t.amount) AS total_transaccions,
2 CASE
3 WHEN COUNT(t.amount) > 400 THEN 'SUPERIOR_400'
4 WHEN COUNT(t.amount) < 400 THEN 'INFERIOR_400'
5 ELSE 'sense_info'
6 END AS classificacio_segons_transaccions
7 FROM transaction t
8 JOIN company c ON t.company_id = c.id
9 WHERE declined = 0
10 GROUP BY c.id
11 ORDER BY total_transaccions DESC; -- no demanava pero per si volen contactar 1er les que fan + transaccions
12
```

id	nom_empresa	total_transaccions	classificacio_segons_transaccions
b-2222	Ac Fermentum Incorporated	2400	SUPERIOR_400
b-2302	Nunc Interdum Incorporated	1999	SUPERIOR_400
b-2330	Donec Fringilla PC	1590	SUPERIOR_400
b-2366	Mauris Institute	1583	SUPERIOR_400
b-2350	Aliquet Vel Vulputate Incorporated	1581	SUPERIOR_400
b-2614	Rutrum Non Inc.	1578	SUPERIOR_400
b-2566	Aliquam PC	1573	SUPERIOR_400
b-2574	Orci Adipiscing Limited	1565	SUPERIOR_400
b-2478	Etiam Bibendum Fermentum Industries	1564	SUPERIOR_400
b-2266	Mus Aenean Eget Foundation	1563	SUPERIOR_400
b-2550	Auctor Mauris Corp.	1561	SUPERIOR_400
b-2326	Enim Condimentum Ltd	1549	SUPERIOR_400
b-2454	Justo Eu Arcu Ltd	1545	SUPERIOR_400
b-2402	At Pede Corp.	1541	SUPERIOR_400
b-2618	Non Institute	1541	SUPERIOR_400
b-2502	Dolor Vitae Limited	1541	SUPERIOR_400
b-2430	Interdum Feugiat Sed Associates	1541	SUPERIOR_400
b-2414	Netus Et Malesuada Ltd	1540	SUPERIOR_400
b-2554	Cras Vehicula Aliquet Industries	1539	SUPERIOR_400
b-2246	Sed Nunc Ltd	1538	SUPERIOR_400
b-2424	Tortor Non Uterque Institute	1526	SUPERIOR_400

Result 14 x

Output

Action Output

#	Time	Action	Message
1	13:49:30	SELECT c.id, c.company_name AS nom_empresa, COUNT(t.amount) AS total_transaccions, CASE WHEN COUNT(t.amount) > 400 THEN 'SUPERIOR_400' WHEN COUNT(t...	100 row(s) returned

SPRINT 2 – VANESSA BUJALDON

NOTES: Trinidad ha fet la revisió peer to peer. Correccions afegides:

- Afegir un ORDER BY per ordenar Nivell 1, exercici 2a.
- Nivell 1, exercici 2c havia indicat top country i no top empresa per llegir ràpid pregunta. Arreglat.

Nota adicional: En els exercicis que no tenen join i només es treballa amb 1 taula, al table name de FROM no he ficat àlies.