

José Messias Garcia da Silva Ferreira
SPRINT 2 - NIVEL 1

Exercici 1

A partir dels documents adjunts, 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.

Después de importar las dos tablas y analizarlas, utilicé **DESCRIBE** para identificar las *primary keys* de cada una. La *primary key* de la tabla **transaction** es **id**, con tipo de dato **VARCHAR(255)**, y la de la tabla **company** es **id**, con tipo de dato **VARCHAR(15)**, la **FOREIGN KEY** es **company_id** de la taula **Transactions**.

Los campos de la tabla **transaction** y sus datatypes son: **id (VARCHAR 255)**, **credit_card_id (VARCHAR 255)**, **company_id (VARCHAR 20)**, **user_id (Int)**, **lat(Float)** y **longitude(Float)**, campos para indicar la localización geográfica de la transacción, **timestamp (timestamp)**, que contiene la fecha y hora de la transacción, **amount(Decimal, 10, 2)**, que indica el valor de la transacción con dos casas decimales y **declined (tinyint 1)**, que señala si la transacción ha sido denegada, con valores 0 para "no" y 1 para "sí". Esta tabla contiene **100.000 registros**.

En la tabla **company**, utilizando también **DESCRIBE**, se observan los campos: **id** (su *primary key*, con tipo de dato **VARCHAR 15**), **company_name (VARCHAR 255)**, **phone (VARCHAR, 15)**, **email (VARCHAR 100)**, **country (VARCHAR 100)** y **website**. Esta tabla contiene **100 registros**.

En cuanto a las relaciones, se establece una relación de **uno a muchos (1:n)**: una empresa puede tener muchas transacciones, mientras que cada transacción pertenece únicamente a una empresa a través de su **company_id**. La **foreign key** en este caso es **company_id** en la tabla **transaction**, que se vincula con **id** en la tabla **company**.

La tabla de hechos (*fact table*, lo que ocurrió) es la tabla **transaction**.

transaction

- id VARCHAR(255)
- credit_card_id VARCHAR(15)
- company_id VARCHAR(20)
- user_id INT
- lat FLOAT
- longitude FLOAT
- timestamp TIMESTAMP
- amount DECIMAL(10,2)
- declined TINYINT(1)

Indexes

- PRIMARY
company_id



company

- id VARCHAR(15)
- company_name VARCHAR(255)
- phone VARCHAR(15)
- email VARCHAR(100)
- country VARCHAR(100)
- website VARCHAR(255)

Indexes

- PRIMARY

```
1 -- SPRINT_2
```

```
2 -- EXERCISE 1
```

```
3 • USE transactions;
4 • SELECT * FROM company LIMIT 10;
5 • SELECT * FROM transaction;
6 • DESCRIBE company;
7 • DESCRIBE transaction;
```

```
8
```

```
9 -- SPRTNT_2
```

100% 14:7

Result Grid Filter Rows:

Search

Export:

Field	Type	Null	Key	Default	Extra
id	varchar(255)	NO	PRI	NULL	
credit_card_id	varchar(15)	YES		NULL	
company_id	varchar(20)	YES	MUL	NULL	
user_id	int	YES		NULL	
lat	float	YES		NULL	
longitude	float	YES		NULL	
timestamp	timestamp	YES		NULL	
amount	decimal(10,2)	YES		NULL	
declined	tinyint(1)	YES		NULL	

Result 59

Action Output

	Time	Action	Response
✓ 119	18:10:30	SELECT DISTINCT country FROM company	15 row(s) returned
✓ 120	18:10:32	SELECT DISTINCT country FROM transaction INN...	15 row(s) returned
✓ 121	18:10:57	SELECT DISTINCT country FROM transaction INN...	15 row(s) returned
✓ 122	18:11:23	DESCRIBE transaction	9 row(s) returned
✓ 123	18:11:33	DESCRIBE company	6 row(s) returned
✓ 124	18:12:04	DESCRIBE transaction	9 row(s) returned

```
1 -- SPRINT_2
2 -- EXERCISE 1
3 • USE transactions;
4 • SELECT * FROM company LIMIT 10;
5 • SELECT * FROM transaction;
6 • DESCRIBE company;
7 • DESCRIBE transaction;
8
9 -- SPRTNT_2
```

100% 16:6

Result Grid Filter Rows: Search Export:

Field	Type	Null	Key	Default	Extra
id	varchar(15)	NO	PRI	NULL	
company_name	varchar(255)	YES		NULL	
phone	varchar(15)	YES		NULL	
email	varchar(100)	YES		NULL	
country	varchar(100)	YES		NULL	
website	varchar(255)	YES		NULL	

Result 60

Action Output

	Time	Action	Response
✓ 120	18:10:32	SELECT DISTINCT country FROM transaction INN...	15 row(s) returned
✓ 121	18:10:57	SELECT DISTINCT country FROM transaction INN...	15 row(s) returned
✓ 122	18:11:23	DESCRIBE transaction	9 row(s) returned
✓ 123	18:11:33	DESCRIBE company	6 row(s) returned
✓ 124	18:12:04	DESCRIBE transaction	9 row(s) returned
✓ 125	18:14:54	DESCRIBE company	6 row(s) returned

Exercici 2

Utilitzant JOIN realitzaràs les següents consultes:

- Llistat dels països que estan generant vendes.

The screenshot shows a MySQL Workbench interface. The query editor at the top contains the following SQL code:

```
-- SPRINT_2
-- EXERCISE 2
-- Llistat dels països que estan generant vendes.

SELECT c.country
FROM company c
JOIN transaction t ON c.id = t.company_id
GROUP BY c.country;
```

The results grid below displays the output of the query:

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

At the bottom, the Action Output pane shows the execution log:

Action	Time	Response	Duration / Fetch Time
INSERT INTO transaction (id, credit_card_id, company_id, user_id, lat, longitude, timestamp, ...)	11:05:28	1 row(s) affected	0.000 sec
INSERT INTO transaction (id, credit_card_id, company_id, user_id, lat, longitude, timestamp, ...)	11:05:28	1 row(s) affected	0.0026 sec
INSERT INTO transaction (id, credit_card_id, company_id, user_id, lat, longitude, timestamp, ...)	11:05:28	1 row(s) affected	0.0026 sec
INSERT INTO transaction (id, credit_card_id, company_id, user_id, lat, longitude, timestamp, ...)	11:05:28	1 row(s) affected	0.0018 sec
INSERT INTO transaction (id, credit_card_id, company_id, user_id, lat, longitude, timestamp, ...)	11:05:28	1 row(s) affected	0.0026 sec
SELECT c.country FROM company c JOIN transaction t ON c.id = t.company_id GROUP BY c...	11:06:02	15 row(s) returned	0.109 sec / 0.000015...

- Des de quants països es generen les vendes.

```
28  ⊖ /*  
29   From how many countries are sales being generated?  
30  */  
31  
32 •   SELECT COUNT(DISTINCT country) AS number_of_countries  
33     FROM transaction t  
34     JOIN company c ON t.company_id = c.id;  
35  
36  
37  
38  
39  
40  
41  
42  
43  
44  
45  
46  
47  ⊖ */
```

100% 22:32

Result Grid Filter Rows: Search Export:

number_of_countries
15

Result 114

Read Only

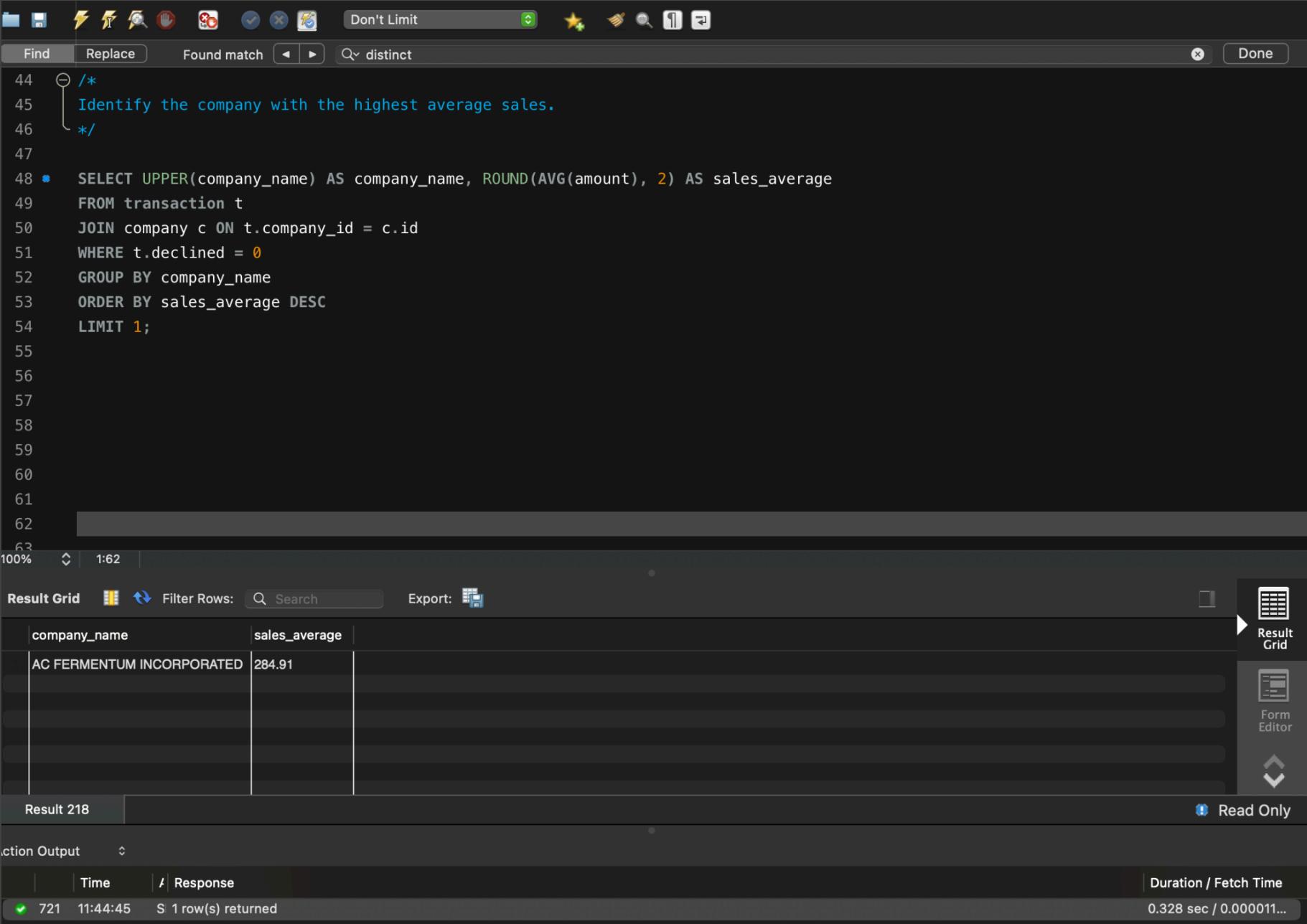
Action Output

Time	Action	Response	Duration / Fetch Time
167 12:05:41	SELECT COUNT(DISTINCT country) AS number_o...	1 row(s) returned	0.058 sec / 0.00000...

Result Grid

Form Editor

- Identifica la companyia amb la mitjana més gran de vendes.



The screenshot shows the Oracle SQL Developer interface. At the top, there's a toolbar with various icons. Below it is a menu bar with 'Find' and 'Replace' buttons, and a status bar indicating 'Don't Limit' and 'Found match'.

```

44  /*
45   Identify the company with the highest average sales.
46 */
47
48 • SELECT UPPER(company_name) AS company_name, ROUND(AVG(amount), 2) AS sales_average
49   FROM transaction t
50   JOIN company c ON t.company_id = c.id
51   WHERE t.declined = 0
52   GROUP BY company_name
53   ORDER BY sales_average DESC
54   LIMIT 1;
55
56
57
58
59
60
61
62
63
    
```

The code editor shows a query to select the company name and average sales from the transaction and company tables, filtering by declined = 0, grouping by company name, ordering by average sales in descending order, and limiting the result to 1 row. A note in the code indicates the goal is to identify the company with the highest average sales.

Below the code editor is a results grid showing the output:

company_name	sales_average
AC FERMENTUM INCORPORATED	284.91

The results grid has a header 'Result Grid' and a footer 'Result 218'. To the right of the results grid are buttons for 'Result Grid', 'Form Editor', and a refresh icon. A status bar at the bottom right says 'Read Only'.

At the very bottom, there's a 'Action Output' section with a table showing execution details:

	Time	Response	Duration / Fetch Time
✓	721 11:44:45	S 1 row(s) returned	0.328 sec / 0.000011...

Exercici 3

Utilitzant només subconsultes (sense utilitzar JOIN) :

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

```
60
61  /*
62   * SPRINT_2 - LEVEL_1 - EXERCISE 3
63   * Using only subqueries (without using JOIN):
64   * Show all transactions made by companies from Germany.
65  */
66
67 •  SELECT *
68   FROM transaction t
69  WHERE company_id IN (
70    SELECT id
71      FROM company c
72     WHERE c.country = 'Germany'
73     GROUP BY c.id);
74
75
76
77
78
79  */
100%  5:78
Result Grid  Filter Rows: Search  Edit:  Export/Import:  Fetch rows:  Result Grid  Form Editor  transaction 220  Action Output  Time  Response  Duration / Fetch Time
 723  11:46:18  S 13291 row(s) returned  0.0014 sec / 0.051 sec
```

The screenshot shows a code editor with a dark theme containing a SQL query. The code uses a subquery to filter transactions from companies located in Germany. Below the code is a result grid displaying 13,291 rows of transaction data. The interface includes various navigation and filtering tools. At the bottom, there is an action output section showing the number of rows returned and the execution time.

id	credit_card_id	company_id	user_id	lat	longitude	timestamp	amount	declined
002021A11-2E62-44C4...	CcU-3512	b-2222	193	55.5704	-3.65129	2021-01-22 23:44:27	453.04	0
00235618-0A5C-4D49...	CcS-8137	b-2222	3556	59.8421	18.729	2020-09-09 15:43:19	263.14	0
005A5A7B-1F1A-4B6C...	CcS-8998	b-2222	4417	41.1591	-8.63905	2024-05-15 09:10:11	442.01	0
00687139-48B2-4FFA...	CcS-4870	b-2222	289	51.1966	10.4669	2019-03-09 19:37:49	524.84	0
0074F4DD-32F1-4827...	CcS-8081	b-2222	3500	39.7016	-8.50325	2016-12-26 23:06:57	491.90	0
00AAB9CD-39D6-4DC...	CcS-6797	b-2222	2216	55.7652	-3.76245	2021-04-25 03:06:59	167.15	0
00BE09D4-6920-47D8...	CcS-4983	b-2222	402	38.708	-9.12993	2019-02-27 15:25:16	141.66	0
00DA0383-E048-4577...	CcS-9223	b-2222	4642	51.1742	10.2027	2019-03-21 11:47:34	325.62	0

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

```

/*
Companies that have made transactions for an amount greater than the average of all transactions.

49  *
50 • SELECT c.company_name
51   FROM company c
52   WHERE c.id IN (
53     SELECT t.company_id
54     FROM transaction t
55     WHERE t.amount > (
56       SELECT AVG(amount)
57       FROM transaction t))
58   ;
59
60
61
62
100% 5:63

```

Result Grid Filter Rows: Search Export:

company_name
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 Coro.

Vertical Output company 73 Read Only

Action Output

	Time	Action	Response	Duration / Fetch Time
✓ 100216	12:42:40	SELECT country, ROUND(AVG(amount),2) AS avg_sales FROM transaction t JOIN company c...	16 row(s) returned	0.251 sec / 0.000011...
✓ 100217	12:43:35	SELECT c.company_name FROM company c WHERE c.id IN (SELECT t.company_id FRO...	0.080 sec / 0.000035...

```
99  *  
100 * They will eliminate from the system companies that do not have registered transactions, provide a list of these companies.  
101 */  
102  
103 • SELECT  
104     c.id,  
105     c.company_name  
106   FROM company c  
107  WHERE c.id NOT IN (  
108      SELECT DISTINCT c.id  
109      FROM transaction t)  
110  GROUP BY c.id, c.company_name;  
111  
112  
113  
114  
115  
116  
117  
118 17:108 |  
  
Result Grid   Filter Rows: Search   Edit:   Export/Import:  
  


| id          | company_name |
|-------------|--------------|
| HULL        | HULL         |
| company 223 |              |

  
Action Output   Time   # Response   Duration / Fetch Time  
726 11:51:50 S 0 row(s) returned 0.00079 sec / 0.00000...
```

SPRINT 2 - NIVEL 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.

```
/*
120  SPRINT_2 - LEVEL_2 - EXERCISE 1
121  Identify the five days on which the company generated the highest amount of revenue from sales.
122  Show the date of each transaction together with the total sales.
123 */
124
125 • SELECT
126      DATE_FORMAT(timestamp, '%m-%d-%Y') AS date,
127      FORMAT(SUM(amount), 2) AS total_sales
128  FROM transaction
129  WHERE declined = 0
130  GROUP BY date
131  ORDER BY SUM(amount) DESC
132  LIMIT 5;
133
134
135
136
137
138 100% 1:138
```

Result Grid Filter Rows: Search Export:

date	total_sales
12-13-2022	14,337.44
11-18-2019	13,591.32
02-20-2023	13,332.59
12-20-2017	13,318.43
03-18-2019	12,680.95

Result 224 Read Only

Action Output

Time	Response	Duration / Fetch Time
727	11:52:56	5 row(s) returned 0.205 sec / 0.000012...

Exercici 2

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

```
138
139  /*
140   SPRINT_2 - LEVEL_2 - EXERCISE 2
141   What is the average sales per country? Display the results ordered from the highest to the lowest average.
142 */
143
144 • SELECT country, ROUND(AVG(amount),2) AS avg_sales
145   FROM transaction t
146   JOIN company c ON t.company_id = c.id
147   WHERE declined = 0
148   GROUP BY country
149   ORDER BY avg_sales DESC;
150
151
152
153
154
155
156
157  /* 1:155 |
```

Result Grid Filter Rows: Search Export:

country	avg_sales
Australia	265.54
United States	264.42
Belgium	260.97
Germany	260.83
Ireland	260.39
Spain	260.28
France	259.91
New Zealand	259.59

Result 226 Read Only

Action Output

Time	Response	Duration / Fetch Time
729 11:53:38	S 15 row(s) returned	0.249 sec / 0.000011...

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.

```
158 | SPRINT_2 - LEVEL_2 - EXERCISE 3
159 | In your company, a new project is being considered to launch some advertising campaigns to compete with the company 'Non Institute'.
160 | For this purpose, you are asked for the list of all transactions carried out by companies located in the same country as this company
161 | Display the list applying JOIN and subqueries.
162 |
163
164 • SELECT *
165   FROM transaction t
166   JOIN company c ON t.company_id = c.id
167   ⊕ WHERE c.country IN (
168     SELECT c.country
169     FROM company c
170     WHERE c.company_name = 'Non Institute'
171     AND c.company_name != 'Non Institute'
172     AND t.declined = 0;
173
174
175
176 ⊕ /*
177   Display the list applying only subqueries
100% 1:174
```

Result Grid Filter Rows: Search Export: Fetch rows:

id	credit_card_id	company_id	user_id	lat	longitude	timestamp	amount	declined	id	company_name	phone	email	col
008629B4-C9A9-406C...	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@yah...@Uni	Result Grid
00B72BA4-5A3-4B8E...	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@yah...@Uni	Form Editor
01F075B1-D7AE-4D02...	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@yah...@Uni	Up
023FFCE8-E618-4938...	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@yah...@Uni	Down
02683BEB-EF91-4564...	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@yah...@Uni	Left
02C2F29E-CF2-4C1E...	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@yah...@Uni	Right
02F468DC-426C-47C2...	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@yah...@Uni	Up Left
0306BE3B-817B-4A49...	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@yah...@Uni	Up Right

Result 227 Read Only

Action Output

Time	Response	Duration / Fetch Time
730 11:54:23	S 12213 row(s) returned	0.0014 sec / 0.053 sec

- Mostra el llistat aplicant solament subconsultes.

Find Replace Found match < > Qv distinct Done

```
176  /*  
177  Display the list applying only subqueries.  
178  */  
179  
180 •  SELECT *  
181   FROM transaction t  
182  ⊥ WHERE t.company_id IN (  
183    SELECT c.id  
184     FROM company c  
185    ⊥ WHERE c.country = (  
186      SELECT c.country  
187        FROM company C  
188        WHERE c.company_name = 'Non Institute'  
189       AND c.company_name != 'Non Institute'  
190       AND t.declined = 0;  
191  
192  
193  ⊥ /*  
194   SPRINT_2 - LEVEL_3 - EXERCISE 1  
195  Show the name, phone number, country, date, and amount of those companies that carried out transactions with a value between 350  
100%  19:184
```

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

id	credit_card_id	company_id	user_id	lat	longitude	timestamp	amount	declined
01F075B1-D7AE-4D02...	CcS-8700	b-2246	4119	55.856	-3.15783	2018-01-27 13:44:36	103.73	0
023FFCE8-E618-4938...	CcS-7816	b-2246	3235	46.3568	1.82755	2016-12-19 11:53:45	219.28	0
02683BEB-EF91-4564...	CcS-9471	b-2246	4890	42.1332	12.396	2017-01-10 21:09:29	326.87	0
02C2F29E-CEF2-4C1E...	CcS-9082	b-2246	4501	39.4662	-0.373246	2020-05-24 01:17:29	155.72	0
02F468DC-426C-472C...	CcS-6913	b-2246	2332	52.175	19.3508	2023-03-17 16:36:27	305.35	0
0306BE3B-817B-4A49...	CcS-5302	b-2246	721	51.9233	18.926	2021-12-02 23:06:02	339.58	0
0347BFE6-8EB5-4387...	CcS-7674	b-2246	3093	45.768	4.84271	2021-12-30 08:40:24	172.93	0
03AEBD0E-DC97-4BD...	CcS-6121	b-2246	1540	50.8113	10.3145	2018-11-11 11:28:49	114.77	0

transaction 228 Apply

Action Output

Time	Response	Duration / Fetch Time
731 11:54:47	S 12213 row(s) returned	0.0015 sec / 0.047 sec

SPRINT 2 - NIVEL 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. Ordена els resultats de major a menor quantitat.

```
156  */
157
158 • SELECT
159     c.company_name,
160     c.phone,
161     c.country,
162     DATE_FORMAT(t.timestamp, '%d-%m-%Y') AS date,
163     t.amount
164   FROM transaction t
165   JOIN company c ON t.company_id = c.id
166   WHERE
167     DATE(t.timestamp) IN ('2015-04-29', '2018-07-20', '2024-03-13')
168     AND t.amount BETWEEN 350 AND 400
169   ORDER BY amount DESC;
170
171
```

Result Grid Filter Rows: Search Export:

company_name	phone	country	date	amount
Aliquam PC	01 45 73 52 16	Germany	13-03-2024	399.84
Auctor Mauris Vel LLP	08 09 28 74 14	United States	20-07-2018	399.51
At Pede Corp.	06 14 48 33 15	Italy	29-04-2015	390.69
Aliquam PC	01 45 73 52 16	Germany	13-03-2024	388.29
Orci Adipiscing Limited	03 18 00 77 81	United Kingdom	20-07-2018	373.71
Fringilla LLC	08 29 15 93 57	New Zealand	29-04-2015	367.62
Pede Cum Ltd	07 62 26 48 38	Norway	20-07-2018	356.87
Auctor Mauris Vel LLP	08 09 28 74 14	United States	13-03-2024	353.75

Result 62 Read Only

Action Output

	Time	Action	Response	Duration / Fetch Time
✓ 100195	12:31:21	SELECT * FROM transaction t JOIN company c ON t.company_id = c.id WHERE c.country IN...	12213 row(s) returned	0.0011 sec / 0.047 sec
✓ 100196	12:32:40	SELECT c.company_name, c.phone, c.country, DATE_FORMAT(t.timestamp, '%d-%m-%Y') AS date, t.amount	8 row(s) returned	0.063 sec / 0.000012...

Exercici 2

Necessitem optimitzar l'assignació dels recursos i depèndrà 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 especificuis si tenen més de 400 transaccions o menys.

The screenshot shows a database query editor interface with the following details:

Code Area:

```
176     and wants a list of the companies specifying whether they have more than 400 transactions or fewer.  
177     */  
178  
179 • SELECT  
180     DISTINCT COUNT(t.id) AS number_of_transactions,  
181     c.company_name,  
182     CASE  
183         WHEN COUNT(t.id) < 400 THEN 'less than 400'  
184         WHEN COUNT(t.id) > 400 THEN 'more than 400'  
185     END AS hr_requirement  
186     FROM company c  
187     JOIN transaction t ON t.company_id = c.id  
188     GROUP BY c.company_name  
189     ORDER BY number_of_transactions ASC;  
190
```

Result Grid:

number_of_transactions	company_name	hr_requirement
399	Nec Luctus LLC	less than 400
402	Dui Quis Institute	more than 400
407	Risus Associates	more than 400
410	Magna A Neque Industries	more than 400
411	Amet Luctus Vulpitate Foundation	more than 400
418	Euismod Mauris Institute	more than 400
418	Mattis Foundation	more than 400
418	Elit Etiam Laoreet Associates	more than 400
424	Neque Tellus Imperdiet Corp.	more than 400
424	Nunc Sit Incorporated	more than 400
424	Nascetur Ridiculus Mus Inc.	more than 400
425	Metus Vitae Associates	more than 400
426	Aliquam facilis Lacus Corp.	more than 400
426	Sed Est Corp.	more than 400

Action Output:

Time	Action	Response	Duration / Fetch Time
12:32:40	SELECT c.company_name, c.phone, c.country, DATE_FORMAT(t.timestamp,'%d-%m-%Y %H:%i:%s') AS timestamp, t.transaction_id, t.type, t.value	8 row(s) returned	0.063 sec / 0.000012...
12:33:45	SELECT DISTINCT COUNT(t.id) AS number_of_transactions, c.company_name, CASE WHEN COUNT(t.id) < 400 THEN 'less than 400' WHEN COUNT(t.id) > 400 THEN 'more than 400' END AS hr_requirement FROM company c JOIN transaction t ON t.company_id = c.id GROUP BY c.company_name ORDER BY number_of_transactions ASC;	100 row(s) returned	0.094 sec / 0.000018...