

IT ACADEMY

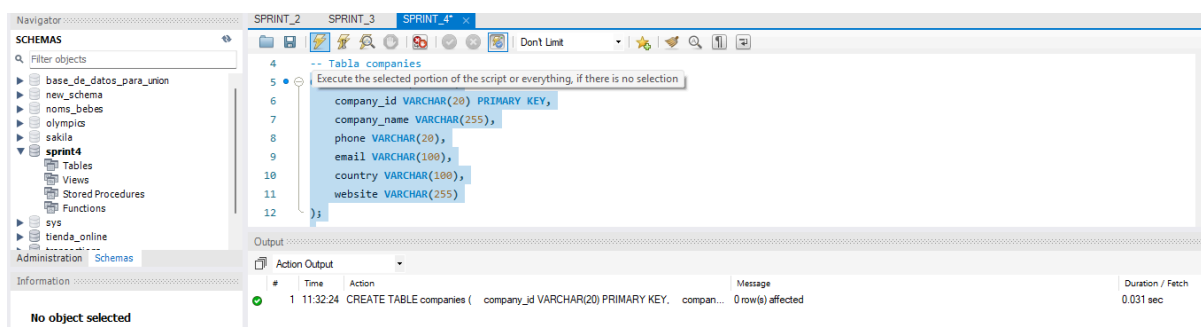
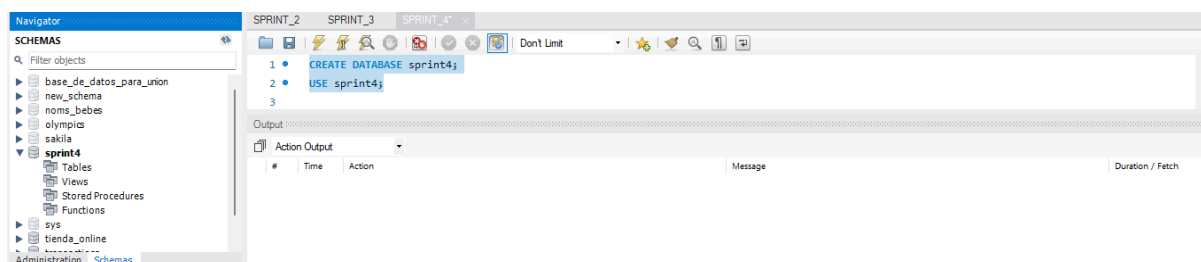


Sprint 4 - EMC

Partint d'alguns arxius CSV dissenyaràs i crearàs la teva base de dades.

Nivell 1

Descàrrega els arxius CSV, estudia'ls i dissenya una base de dades amb un esquema d'estrella que contingui, almenys 4 taules de les quals puguis realitzar les següents consultes:



Navigator: SCHEMAS

- base_de_datos_para_union
- new_schema
- noms_bebes
- olympics
- sakila
- sprint4
 - Tables
 - Views
 - Stored Procedures
 - Functions
- sys
- tienda_online
- Administration
- Schemas

Information: No object selected

SPRINT_2 SPRINT_3 SPRINT_4

```

15 CREATE TABLE products (
16     product_name VARCHAR(255),
17     price DECIMAL(10,2),
18     colour VARCHAR(50),
19     weight DECIMAL(10,2),
20     warehouse_id VARCHAR(20)
21 );
22
23

```

Output:

#	Time	Action	Message	Duration / Fetch
1	11:32:24	CREATE TABLE companies (company_id VARCHAR(20) PRIMARY KEY, compan...	0 row(s) affected	0.031 sec
2	11:33:31	CREATE TABLE products (id VARCHAR(20) PRIMARY KEY, product_name VARC...	0 row(s) affected	0.032 sec

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Information: No object selected

SPRINT_2 SPRINT_3 SPRINT_4

```

24 -- Tabla users (combinar americanos y europeos)
25 CREATE TABLE users (
26     id VARCHAR(20) PRIMARY KEY,
27     name VARCHAR(100),
28     surname VARCHAR(100),
29     phone VARCHAR(20),
30     email VARCHAR(100),
31     birth_date DATE,
32     country VARCHAR(100),
33     city VARCHAR(100),
34     postal_code VARCHAR(20),
35     address VARCHAR(255),
36     region ENUM('America', 'Europe')
37 );
38
39

```

Output:

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1	11:32:24	CREATE TABLE companies (company_id VARCHAR(20) PRIMARY KEY, compan...	0 row(s) affected	0.031 sec
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Information: No object selected

SPRINT_2 SPRINT_3 SPRINT_4

```

38 -- Tabla credit_cards
39
40 CREATE TABLE credit_cards (
41     id VARCHAR(20) PRIMARY KEY,
42     user_id VARCHAR(20),
43     iban VARCHAR(50),
44     pan VARCHAR(30),
45     pin VARCHAR(10),
46     cvv VARCHAR(5),
47     track1 TEXT,
48     track2 TEXT,
49     expiring_date VARCHAR(20),
50     FOREIGN KEY (user_id) REFERENCES users(id)
51 );
52
53

```

Output:

#	Time	Action	Message	Duration / Fetch
1	11:32:24	CREATE TABLE companies (company_id VARCHAR(20) PRIMARY KEY, compan...	0 row(s) affected	0.031 sec
2	11:33:31	CREATE TABLE products (id VARCHAR(20) PRIMARY KEY, product_name VARC...	0 row(s) affected	0.032 sec
3	11:34:27	CREATE TABLE users (id VARCHAR(20) PRIMARY KEY, name VARCHAR(100), ...	0 row(s) affected	0.031 sec
4	11:35:49	CREATE TABLE credit_cards (id VARCHAR(20) PRIMARY KEY, user_id VARCHA...	0 row(s) affected	0.062 sec

Don't Limit

```

69 -----
70 -- 1. Cargar companies
71 • LOAD DATA INFILE 'C:/ProgramData/MySQL/MySQL Server 8.0/Uploads/companies.csv'
72 INTO TABLE companies
73 FIELDS TERMINATED BY ','
74 ENCLOSED BY '"'
75 LINES TERMINATED BY '\n'
76 IGNORE 1 ROWS;

```

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 1	11:32:24	CREATE TABLE companies (company_id VARCHAR(20) PRIMARY KEY, compa...	0 row(s) affected	0.031 sec
✓ 2	11:33:31	CREATE TABLE products (id VARCHAR(20) PRIMARY KEY, product_name VAR...	0 row(s) affected	0.032 sec
✓ 3	11:34:27	CREATE TABLE users (id VARCHAR(20) PRIMARY KEY, name VARCHAR(100)...	0 row(s) affected	0.031 sec
✓ 4	11:35:49	CREATE TABLE credit_cards (id VARCHAR(20) PRIMARY KEY, user_id VARCH...	0 row(s) affected	0.062 sec
⚠ 5	11:36:43	CREATE TABLE transactions (id VARCHAR(50) PRIMARY KEY, card_id VARCH...	0 row(s) affected, 1 warning(s): 1681 Integer display width is deprecated and will be rem...	0.063 sec
✗ 6	11:40:06	LOAD DATA INFILE 'C:/Users/usuario/Desktop/DDAA/SPRINT 4/companies.csv' INT...	Error Code: 1290. The MySQL server is running with the --secure-file-priv option so it can...	0.000 sec
✓ 7	11:40:58	SHOW VARIABLES LIKE 'secure_file_priv'	1 row(s) returned	0.031 sec / 0.000 sec
✓ 8	11:46:20	LOAD DATA INFILE 'C:/ProgramData/MySQL/MySQL Server 8.0/Uploads/companies....	100 row(s) affected Records: 100 Deleted: 0 Skipped: 0 Warnings: 0	0.047 sec

Don't Limit

```

78 -- 2. Cargar products
79 • LOAD DATA INFILE 'C:/ProgramData/MySQL/MySQL Server 8.0/Uploads/products.csv'
80 INTO TABLE products
81 FIELDS TERMINATED BY ','
82 ENCLOSED BY '"'
83 LINES TERMINATED BY '\n'
84 IGNORE 1 ROWS
85 (id, product_name, @price, colour, weight, warehouse_id)
86 SET price = REPLACE(@price, '$', '');
87

```

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 1	11:32:24	CREATE TABLE companies (company_id VARCHAR(20) PRIMARY KEY, compa...	0 row(s) affected	0.031 sec
✓ 2	11:33:31	CREATE TABLE products (id VARCHAR(20) PRIMARY KEY, product_name VAR...	0 row(s) affected	0.032 sec
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✗ 6	11:40:06	LOAD DATA INFILE 'C:/Users/usuario/Desktop/DDAA/SPRINT 4/companies.csv' INT...	Error Code: 1290. The MySQL server is running with the --secure-file-priv option so it can...	0.000 sec
✓ 7	11:40:58	SHOW VARIABLES LIKE 'secure_file_priv'	1 row(s) returned	0.031 sec / 0.000 sec
✓ 8	11:46:20	LOAD DATA INFILE 'C:/ProgramData/MySQL/MySQL Server 8.0/Uploads/companies....	100 row(s) affected Records: 100 Deleted: 0 Skipped: 0 Warnings: 0	0.047 sec
✗ 9	11:47:12	LOAD DATA INFILE 'C:/ProgramData/MySQL/MySQL Server 8.0/Uploads/products.cs...	Error Code: 1366. Incorrect decimal value: '\$161.11' for column 'price' at row 1	0.031 sec
✓ 10	11:49:20	LOAD DATA INFILE 'C:/ProgramData/MySQL/MySQL Server 8.0/Uploads/products.cs...	100 row(s) affected Records: 100 Deleted: 0 Skipped: 0 Warnings: 0	0.016 sec

SPRINT_2 SPRINT_3 SPRINT_4* SQL File 37* american_users

Don't Limit

```

88 -- 3. Cargar american_users como región America (corregir fecha 'Feb 18, 1989')
89 • LOAD DATA INFILE 'C:/ProgramData/MySQL/MySQL Server 8.0/Uploads/american_users.csv'
90 INTO TABLE users
91 FIELDS TERMINATED BY ','
92 ENCLOSED BY '"'
93 LINES TERMINATED BY '\n'
94 IGNORE 1 ROWS
95 (id, name, surname, phone, email, @birth_date, country, city, postal_code, address)
96 SET region = 'America',
97 birth_date = STR_TO_DATE(@birth_date, '%M %d, %Y');

```

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 2	11:33:31	CREATE TABLE products (id VARCHAR(20) PRIMARY KEY, product_name VA...	0 row(s) affected	0.032 sec
✓ 3	11:34:27	CREATE TABLE users (id VARCHAR(20) PRIMARY KEY, name VARCHAR(100)...	0 row(s) affected	0.031 sec
✓ 4	11:35:49	CREATE TABLE credit_cards (id VARCHAR(20) PRIMARY KEY, user_id VARCH...	0 row(s) affected	0.062 sec
⚠ 5	11:36:43	CREATE TABLE transactions (id VARCHAR(50) PRIMARY KEY, card_id VARCH...	0 row(s) affected, 1 warning(s): 1681 Integer display width is deprecated and will be re...	0.063 sec
✗ 6	11:40:06	LOAD DATA INFILE 'C:/Users/usuario/Desktop/DDAA/SPRINT 4/companies.csv' IN...	Error Code: 1290. The MySQL server is running with the --secure-file-priv option so it c...	0.000 sec
✓ 7	11:40:58	SHOW VARIABLES LIKE 'secure_file_priv'	1 row(s) returned	0.031 sec / 0.000 sec
✓ 8	11:46:20	LOAD DATA INFILE 'C:/ProgramData/MySQL/MySQL Server 8.0/Uploads/companie...	100 row(s) affected Records: 100 Deleted: 0 Skipped: 0 Warnings: 0	0.047 sec
✗ 9	11:47:12	LOAD DATA INFILE 'C:/ProgramData/MySQL/MySQL Server 8.0/Uploads/products....	Error Code: 1366. Incorrect decimal value: '\$161.11' for column 'price' at row 1	0.031 sec
✓ 10	11:49:20	LOAD DATA INFILE 'C:/ProgramData/MySQL/MySQL Server 8.0/Uploads/products....	100 row(s) affected Records: 100 Deleted: 0 Skipped: 0 Warnings: 0	0.016 sec
✗ 11	12:39:21	LOAD DATA INFILE 'C:/ProgramData/MySQL/MySQL Server 8.0/Uploads/american...	Error Code: 1411. Incorrect datetime value: 'Nov 17, 1985' for function str_to_date	0.141 sec
✓ 12	12:43:01	LOAD DATA INFILE 'C:/ProgramData/MySQL/MySQL Server 8.0/Uploads/american...	1010 row(s) affected Records: 1010 Deleted: 0 Skipped: 0 Warnings: 0	0.078 sec

Don't Limit

```

99 -- 4. Cargar european_users (mismo formato de fecha)
100 • LOAD DATA INFILE 'C:/ProgramData/MySQL/MySQL Server 8.0/Uploads/european_users.csv'
101 INTO TABLE users
102 FIELDS TERMINATED BY ','
103 ENCLOSED BY '"'
104 LINES TERMINATED BY '\n'
105 IGNORE 1 ROWS
106 (id, name, surname, phone, email, @birth_date, country, city, postal_code, address)
107 SET region = 'Europe',
108     birth_date = STR_TO_DATE(@birth_date, '%M %d, %Y');

```

Output

Action Output

#	Time	Action	Message	Duration / Fetch
3	11:34:27	CREATE TABLE users (id VARCHAR(20) PRIMARY KEY, name VARCHAR(100...	0 row(s) affected	0.031 sec
4	11:35:49	CREATE TABLE credit_cards (id VARCHAR(20) PRIMARY KEY, user_id VARC...	0 row(s) affected	0.062 sec
5	11:36:43	CREATE TABLE transactions (id VARCHAR(50) PRIMARY KEY, card_id VARC...	0 row(s) affected, 1 warning(s): 1681 Integer display width is deprecated and will be re...	0.063 sec
6	11:40:06	LOAD DATA INFILE 'C:/Users/usuan/Desktop/DDAA/SPRINT 4/companies.csv' IN...	Error Code: 1290. The MySQL server is running with the --secure-file-priv option so it c...	0.000 sec
7	11:40:58	SHOW VARIABLES LIKE 'secure_file_priv'	1 row(s) returned	0.031 sec / 0.000 sec
8	11:46:20	LOAD DATA INFILE 'C:/ProgramData/MySQL/MySQL Server 8.0/Uploads/companie...	100 row(s) affected Records: 100 Deleted: 0 Skipped: 0 Warnings: 0	0.047 sec
9	11:47:12	LOAD DATA INFILE 'C:/ProgramData/MySQL/MySQL Server 8.0/Uploads/products....	Error Code: 1366. Incorrect decimal value: '\$161.11' for column 'price' at row 1	0.031 sec
10	11:49:20	LOAD DATA INFILE 'C:/ProgramData/MySQL/MySQL Server 8.0/Uploads/products....	100 row(s) affected Records: 100 Deleted: 0 Skipped: 0 Warnings: 0	0.016 sec
11	12:39:21	LOAD DATA INFILE 'C:/ProgramData/MySQL/MySQL Server 8.0/Uploads/american...	Error Code: 1411. Incorrect datetime value: 'Nov 17, 1985' for function str_to_date	0.141 sec
12	12:43:01	LOAD DATA INFILE 'C:/ProgramData/MySQL/MySQL Server 8.0/Uploads/american...	1010 row(s) affected Records: 1010 Deleted: 0 Skipped: 0 Warnings: 0	0.078 sec
13	12:44:44	LOAD DATA INFILE 'C:/ProgramData/MySQL/MySQL Server 8.0/Uploads/european...	3990 row(s) affected Records: 3990 Deleted: 0 Skipped: 0 Warnings: 0	0.188 sec

Don't Limit

```

108     birth_date = STR_TO_DATE(@birth_date, '%M %d, %Y');
109
110 -- 5. Cargar credit_cards
111 • LOAD DATA INFILE 'C:/ProgramData/MySQL/MySQL Server 8.0/Uploads/credit_cards.csv'
112 INTO TABLE credit_cards
113 FIELDS TERMINATED BY ','
114 ENCLOSED BY '"'
115 LINES TERMINATED BY '\n'
116 IGNORE 1 ROWS;
117

```

Output

Action Output

#	Time	Action	Message	Duration / Fetch
4	11:35:49	CREATE TABLE credit_cards (id VARCHAR(20) PRIMARY KEY, user_id VARC...	0 row(s) affected	0.062 sec
5	11:36:43	CREATE TABLE transactions (id VARCHAR(50) PRIMARY KEY, card_id VARC...	0 row(s) affected, 1 warning(s): 1681 Integer display width is deprecated and will be re...	0.063 sec
6	11:40:06	LOAD DATA INFILE 'C:/Users/usuan/Desktop/DDAA/SPRINT 4/companies.csv' IN...	Error Code: 1290. The MySQL server is running with the --secure-file-priv option so it c...	0.000 sec
7	11:40:58	SHOW VARIABLES LIKE 'secure_file_priv'	1 row(s) returned	0.031 sec / 0.000 sec
8	11:46:20	LOAD DATA INFILE 'C:/ProgramData/MySQL/MySQL Server 8.0/Uploads/companie...	100 row(s) affected Records: 100 Deleted: 0 Skipped: 0 Warnings: 0	0.047 sec
9	11:47:12	LOAD DATA INFILE 'C:/ProgramData/MySQL/MySQL Server 8.0/Uploads/products....	Error Code: 1366. Incorrect decimal value: '\$161.11' for column 'price' at row 1	0.031 sec
10	11:49:20	LOAD DATA INFILE 'C:/ProgramData/MySQL/MySQL Server 8.0/Uploads/products....	100 row(s) affected Records: 100 Deleted: 0 Skipped: 0 Warnings: 0	0.016 sec
11	12:39:21	LOAD DATA INFILE 'C:/ProgramData/MySQL/MySQL Server 8.0/Uploads/american...	Error Code: 1411. Incorrect datetime value: 'Nov 17, 1985' for function str_to_date	0.141 sec
12	12:43:01	LOAD DATA INFILE 'C:/ProgramData/MySQL/MySQL Server 8.0/Uploads/american...	1010 row(s) affected Records: 1010 Deleted: 0 Skipped: 0 Warnings: 0	0.078 sec
13	12:44:44	LOAD DATA INFILE 'C:/ProgramData/MySQL/MySQL Server 8.0/Uploads/european...	3990 row(s) affected Records: 3990 Deleted: 0 Skipped: 0 Warnings: 0	0.188 sec
14	12:45:37	LOAD DATA INFILE 'C:/ProgramData/MySQL/MySQL Server 8.0/Uploads/credit_ca...	5000 row(s) affected Records: 5000 Deleted: 0 Skipped: 0 Warnings: 0	0.234 sec

118 -- 6. Cargar transactions (con ; como separador)

119 • LOAD DATA INFILE 'C:/ProgramData/MySQL/MySQL Server 8.0/Uploads/transactions.csv'

120 INTO TABLE transactions

121 FIELDS TERMINATED BY ';' ;

122 ENCLOSED BY '' ;

123 LINES TERMINATED BY '\n'

124 IGNORE 1 ROWS;

125

Output

#	Time	Action	Message	Duration / Fetch
3	11:34:27	CREATE TABLE users (id VARCHAR(20) PRIMARY KEY, name VARCHAR(100...	0 row(s) affected	0.031 sec
4	11:35:49	CREATE TABLE credit_cards (id VARCHAR(20) PRIMARY KEY, user_id VARC...	0 row(s) affected	0.062 sec
5	11:36:43	CREATE TABLE transactions (id VARCHAR(50) PRIMARY KEY, card_id VARC...	0 row(s) affected, 1 warning(s): 1681 Integer display width is deprecated and will be re...	0.063 sec
6	11:40:06	LOAD DATA INFILE 'C:/Users/usuari/Desktop/DDAA/SPRINT 4/companies.csv' IN...	Error Code: 1290. The MySQL server is running with the --secure-file-priv option so it c...	0.000 sec
7	11:40:58	SHOW VARIABLES LIKE 'secure_file_priv'	1 row(s) returned	0.031 sec / 0.000 sec
8	11:46:20	LOAD DATA INFILE 'C:/ProgramData/MySQL/MySQL Server 8.0/Uploads/companie...	100 row(s) affected Records: 100 Deleted: 0 Skipped: 0 Warnings: 0	0.047 sec
9	11:47:12	LOAD DATA INFILE 'C:/ProgramData/MySQL/MySQL Server 8.0/Uploads/products...	Error Code: 1366. Incorrect decimal value: '\$161.11' for column 'price' at row 1	0.031 sec
10	11:49:20	LOAD DATA INFILE 'C:/ProgramData/MySQL/MySQL Server 8.0/Uploads/products...	100 row(s) affected Records: 100 Deleted: 0 Skipped: 0 Warnings: 0	0.016 sec
11	12:39:21	LOAD DATA INFILE 'C:/ProgramData/MySQL/MySQL Server 8.0/Uploads/american...	Error Code: 1411. Incorrect datetime value: 'Nov 17, 1985' for function str_to_date	0.141 sec
12	12:43:01	LOAD DATA INFILE 'C:/ProgramData/MySQL/MySQL Server 8.0/Uploads/american...	1010 row(s) affected Records: 1010 Deleted: 0 Skipped: 0 Warnings: 0	0.078 sec
13	12:44:44	LOAD DATA INFILE 'C:/ProgramData/MySQL/MySQL Server 8.0/Uploads/european...	3990 row(s) affected Records: 3990 Deleted: 0 Skipped: 0 Warnings: 0	0.188 sec
14	12:45:37	LOAD DATA INFILE 'C:/ProgramData/MySQL/MySQL Server 8.0/Uploads/credit_ca...	5000 row(s) affected Records: 5000 Deleted: 0 Skipped: 0 Warnings: 0	0.234 sec
15	12:46:34	LOAD DATA INFILE 'C:/ProgramData/MySQL/MySQL Server 8.0/Uploads/transacio...		5.765 sec

125

126 -- Verificar conteo de registros

127 • SELECT 'companies' as tabla, COUNT(*) as total FROM companies

128 UNION ALL

129 SELECT 'products', COUNT(*) FROM products

130 UNION ALL

131 SELECT 'users', COUNT(*) FROM users

132 UNION ALL

133 SELECT 'credit_cards', COUNT(*) FROM credit_cards

134 UNION ALL

135 SELECT 'transactions', COUNT(*) FROM transactions;

136

Result Grid

tabla	total
companies	100
products	100
users	5000
credit_cards	5000
transactions	100000

Result 1 x

Output

#	Time	Action	Message	Duration / Fetch
15	12:46:34	LOAD DATA INFILE 'C:/ProgramData/MySQL/MySQL Server 8.0/Uploads/transacio...		5.765 sec
16	12:51:34	SELECT 'companies' as tabla, COUNT(*) as total FROM companies UNION ALL SEL...	5 row(s) returned	0.079 sec / 0.000 sec

137
138 -- EJERCICIO 1
139 • SELECT u.*
140 FROM users u
141 WHERE u.id IN (
142 SELECT t.user_id
143 FROM transactions t
144 GROUP BY t.user_id
145 HAVING COUNT(*) > 80
146);
147

Result Grid

	id	name	surname	phone	email	birth_date	country	city	postal_code	address	region
▶	185	Molly	Gilliam	0800 120 8023	donec@outlook.couk	1993-12-21	United Kingdom	London	EC1A 1BB	P.O. Box 202, 5638 Mi Rd.	Europe
	289	Dxwgi	Hwcru	+98-309-8797	dxwgi.hwcru@example.com	1976-08-20	Germany	Stuttgart	70173	82 Hwcru Street	Europe
	318	Bnyr	Astuw	+33-120-9644	bnyr.astuw@example.com	1974-05-03	Italy	Genoa	16100	53 Astuw Street	Europe
	454	Sfzoh	Xgvfridxs	+58-495-3945	sfzoh.xgvfridxs@example.com	1962-08-28	Poland	Gdansk	80-001	52 Xgvfridxs Street	Europe
•	HULL	HULL	HULL	HULL	HULL	HULL	HULL	HULL	HULL	HULL	HULL

users 2 x Apply Revert

Output

Action Output

#	Time	Action	Message	Duration / Fetch
20	10:14:00	DESCRIBE transactions	10 row(s) returned	0.000 sec / 0.000 sec
21	10:15:51	SELECT u.* FROM users u WHERE u.id IN (SELECT t.user_id FROM transac...	4 row(s) returned	0.203 sec / 0.000 sec

Exercici 2

Mostra la mitjana d'amount per IBAN de les targetes de crèdit a la companyia Donec Ltd, utilitza almenys 2 taules.

147
148 • SELECT AVG(t.amount) as mitjana_amount, cc.iban
149 FROM transactions t
150 JOIN credit_cards cc ON t.card_id = cc.id
151 JOIN companies c ON t.business_id = c.company_id
152 WHERE c.company_name = 'Donec Ltd'
153 GROUP BY cc.iban;
154
155

Result Grid

	mitjana_amount	iban
▶	680.690000	XX383017813919620199366352
	680.010000	XX637706357397570394973913
	645.460000	XX971393971465292202312259
	628.890000	XX171847116928892375969307
	608.680000	XX225424638818542406223575
	607.290000	XX748890729057195711766071
	605.410000	TN9614563570667381893122

Result 3 x Read Only

Output

Action Output

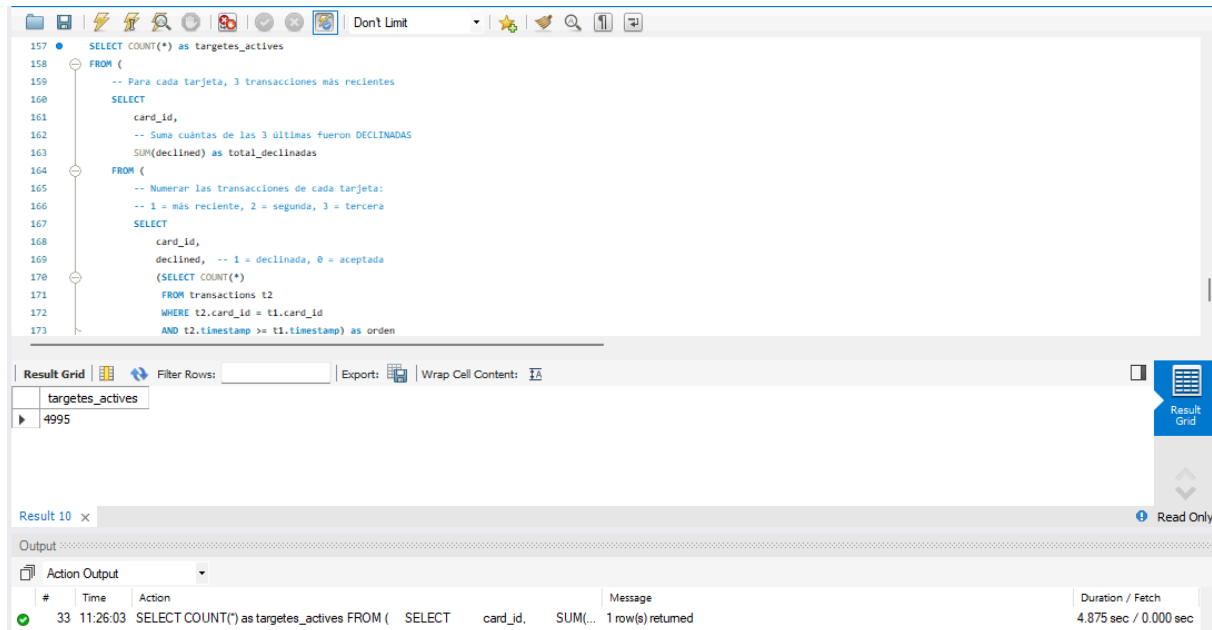
#	Time	Action	Message	Duration / Fetch
21	10:15:51	SELECT u.* FROM users u WHERE u.id IN (SELECT t.user_id FROM transac...	4 row(s) returned	0.203 sec / 0.000 sec
22	10:18:03	SELECT AVG(t.amount) as mitjana_amount, cc.iban FROM transactions t JOIN credit...	371 row(s) returned	0.125 sec / 0.000 sec

Nivell 2

Crea una nova taula que reflecteixi l'estat de les targetes de crèdit basat en si les tres últimes transaccions han estat declinades aleshores és inactiu, si almenys una no és rebutjada aleshores és actiu. Partint d'aquesta taula respon:

Exercici 1

Quantes targetes estan actives?



```
157 SELECT COUNT(*) as targetes_actives
158 FROM (
159     -- Para cada tarjeta, 3 transacciones más recientes
160     SELECT
161         card_id,
162         -- Suma cuántas de las 3 últimas fueron DECLINADAS
163         SUM(declined) as total_declinadas
164     FROM (
165         -- Numerar las transacciones de cada tarjeta:
166         -- 1 = más reciente, 2 = segunda, 3 = tercera
167         SELECT
168             card_id,
169             declined, -- 1 = declinada, 0 = aceptada
170             (SELECT COUNT(*)
171              FROM transactions t2
172              WHERE t2.card_id = t1.card_id
173               AND t2.timestamp >= t1.timestamp) as orden
```

Result Grid

targetes_actives
4995

Result 10 x

Output

Action Output

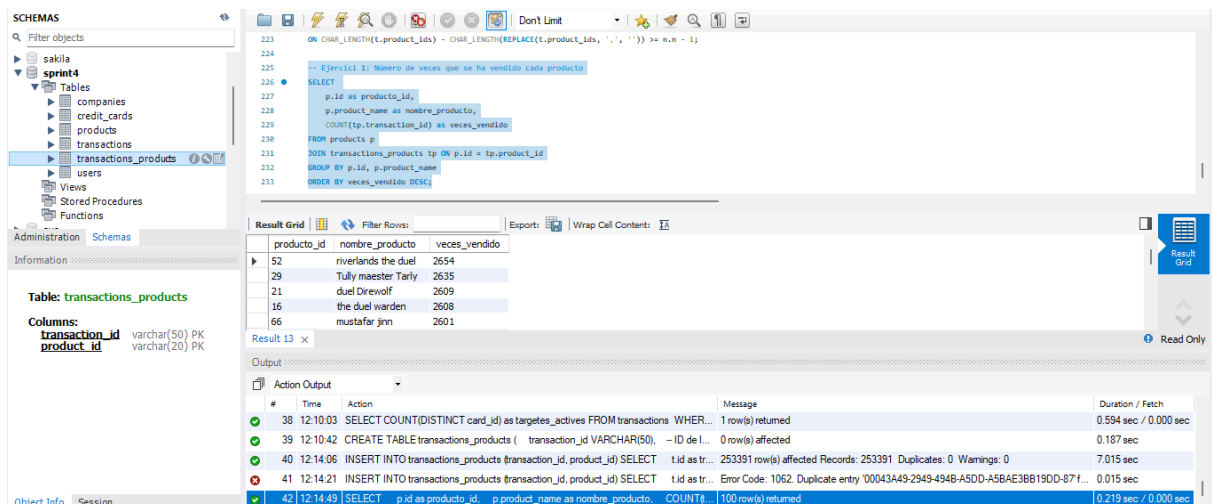
#	Time	Action	Message	Duration / Fetch
33	11:26:03	SELECT COUNT(*) as targetes_actives FROM (SELECT card_id, SUM(...	1 row(s) returned	4.875 sec / 0.000 sec

Nivell 3

Crea una taula amb la qual puguem unir les dades del nou arxiu products.csv amb la base de dades creada, tenint en compte que des de transaction tens product_ids. Genera la següent consulta:

Exercici 1

Necessitem conèixer el nombre de vegades que s'ha venut cada producte.



```
223 ON CHAR_LENGTH(t.product_ids) - CHAR_LENGTH(REPLACE(t.product_ids, ',')) >= n,n - 1;
224
225 -- Ejercicio 1: Numero de veces que se ha vendido cada producto
226 SELECT
227     p.id as producto_id,
228     p.product_name as nombre_producto,
229     COUNT(tp.transaction_id) as veces_vendido
230 FROM products p
231 JOIN transactions_products tp ON p.id = tp.product_id
232 GROUP BY p.id, p.product_name
233 ORDER BY veces_vendido DESC;
```

Result Grid

producto_id	nombre_producto	veces_vendido
52	riverrlands the duel	2654
29	Tully maester Tully	2635
21	duel Direwolf	2609
16	the duel warden	2608
66	mustafar jinn	2601

Result 13 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
38	12:10:03	SELECT COUNT(DISTINCT card_id) as targetes_actives FROM transactions WHERE...	1 row(s) returned	0.594 sec / 0.000 sec
39	12:10:42	CREATE TABLE transactions_products (transaction_id VARCHAR(50), -- ID de l...	0 row(s) affected	0.187 sec
40	12:14:06	INSERT INTO transactions_products (transaction_id, product_id) SELECT t.id as tr...	253391 row(s) affected Records: 253391 Duplicates: 0 Warnings: 0	7.015 sec
41	12:14:21	INSERT INTO transactions_products (transaction_id, product_id) SELECT t.id as tr...	Error Code: 1062. Duplicate entry '00043A49-2949-494B-A5DD-A5BAE3B819DD-87f...	0.015 sec
42	12:14:49	SELECT p.id as producto_id, p.product_name as nombre_producto, COUNT...	100 row(s) returned	0.219 sec / 0.000 sec

DIAGRAMA FINAL

