

La nova taula credit card te una clau primaria (id) que està referenciada a la taula transaccions.

L'estructura de la BBDD es la següent:



The screenshot shows the MySQL Workbench interface. The SQL editor contains the following script:

```

-- La nova taula ha de ser capaç d'identificar de manera única cada targeta i establir una relació adequada amb les altres dues taules ("transaction" i "company").
-- Després de crear la taula serà necessari que ingressis la informació del document denominat "dades_introduir_credit". Recorda mostrar el diagrama i realitzar una breu descripció d'aquest.
DROP TABLE IF EXISTS credit_card;
CREATE TABLE IF NOT EXISTS credit_card (
  id VARCHAR(15) PRIMARY KEY,
  company_id VARCHAR(20),
  transaction_id VARCHAR(255),
  iban VARCHAR(255),
  pan VARCHAR(255),
  pin VARCHAR(3),
  cvv VARCHAR(3),
  expiring_date VARCHAR(3),
  FOREIGN KEY (transaction_id) REFERENCES transaction(id)
);

-- SELECT count(*) from credit_card;
-- Exercici 2
-- El departament de Recursos Humans ha identificat un error en el número de compte associat a la targeta de crèdit amb ID CcU-2938.
-- La informació que ha de mostrar-se per a aquest registre és: TR323456312213576817699999. Recorda mostrar que el canvi es va realitzar.

SELECT id,iban FROM credit_card WHERE id='CcU-2938';
UPDATE credit_card SET iban = 'TR323456312213576817699999' WHERE id='CcU-2938';
SELECT id,iban FROM credit_card WHERE id='CcU-2938';
  
```

The output window shows the results of the script execution:

```

Output:
+-----+
| id | iban |
+-----+
| CcU-2938 | TR323456312213576817699999 |
+-----+

credit_card 6 x
  
```

The Action Output window shows the execution details:

```

+-----+
| Time | Action | Message | Duration / Fetch |
+-----+
| 12:57:56 | SELECT ban FROM credit_card WHERE id='CcU-2938' LIMIT 0, 1000 | 1 row(s) returned | 0.000 sec / 0.000 sec |
| 12:58:06 | UPDATE credit_card SET iban = 'TR323456312213576817699999' WHERE id='CcU-2938' | Error Code: 1054 (Unknown column 'TR323456312213576817699999' in 'field list') | 0.000 sec |
| 12:59:17 | UPDATE credit_card SET iban = 'TR323456312213576817699999' WHERE id='CcU-2938' | 1 row(s) affected Rows matched: 1 Changed: 1 Warnings: 0 | 0.000 sec |
| 12:59:26 | SELECT ban FROM credit_card WHERE id='CcU-2938' LIMIT 0, 1000 | 1 row(s) returned | 0.000 sec / 0.000 sec |
| 13:00:32 | SELECT id,iban FROM credit_card WHERE id='CcU-2938' LIMIT 0, 1000 | 1 row(s) returned | 0.000 sec / 0.000 sec |
| 13:00:46 | SELECT id,iban FROM credit_card WHERE id='CcU-2938' LIMIT 0, 1000 | 1 row(s) returned | 0.015 sec / 0.000 sec |
  
```

Exercici 3:

MySQL Workbench interface showing a SQL script for Exercise 3. The script includes table creation, data insertion, and a view creation. The output window shows execution results with error messages for foreign key constraints.

```
-- Da error ja que no existe la companyia 'b-9999' y hay una foreig KEY a la tabla de company, y a users. Los damos de alta primero.
-- Ejercicio 3
-- En la taula "transaction" Ingressa un nou usuari amb la següent informació:
-- Id 18081010-5823-476C-55EF-C568E49A9900
-- credit_card_id ccu-9999
-- company_id b-9999
-- user_id 9999
-- lat 829.999
-- longitude -117.999
-- amount 111.11
-- declined 0
-- Ejercicio 4
-- Des de recursos humans et sol·liciten eliminar la columna "pan" de la taula credit_card. Recorda mostrar el canvi realitzat.
DESC credit_card;
ALTER TABLE credit_card DROP column pan;
DESC credit_card;
-- Ejercicio 5
-- La secció de màrqueting desitja tenir accés a informació específica per a realitzar anàlisi i estratègies efectives.
-- S'ha sol·licitat crear una vista que proporcioni detalls clau sobre les companyies i les seves transaccions.
-- Serà necessària que creis una vista anomenada VistaMarketing que contingui la següent informació:
-- Nom de la companyia. Tel·lèfon de contacte. País de residència. Mitjana de compra realitzat per cada companyia.
-- Presenta la vista creada, ordenant les dades de major a menor mitjana de compra.
CREATE OR REPLACE VIEW VistaMarketing AS (
    SELECT company_name, phone, country, AVG(amount) AS mitjana_compra
    FROM transaction t
    JOIN company c ON t.company_id = c.id
    WHERE c.id = 'b-9999'
)
```

Output window showing execution results:

Time	Action	Message	Duration / Fetch
53	11:28:59 INSERT INTO company (id, company_name, phone, email, country, website) VALUES ('b-9999', 'Ac Exercici3', NULL, NULL, NULL, NULL);	1 row(s) affected	0.010 sec
54	11:29:00 INSERT INTO transaction (id, credit_card_id, company_id, user_id, lat, longitude, timestamp, amount, declined) VALUES ('18081010-5823-476C-55EF-C568E49A9900', 'ccu-9999', 'b-9999', '9999', '829.999', '-117.999', 'timestamp', '111.11', '0');	Error Code: 1452: Cannot add or update a child row: a foreign key constraint fails (transactions.transaction, CONSTRAINT transaction_fkey_2)	0.015 sec
55	11:29:01 select * from user LIMIT 0, 1000	1000 row(s) returned	0.016 sec / 0.000 sec
56	11:29:01 select * from user order by id LIMIT 0, 1000	1000 row(s) returned	0.000 sec / 0.000 sec
57	11:31:31 INSERT INTO user (id, name, surname, phone, email, birth_date, country, city, postal_code, address) VALUES ('9999', 'Exercici3', 'Exercici3', NULL, NULL, NULL, NULL, NULL, NULL, NULL);	Error Code: 1054: Unknown column 'email' in field list	0.000 sec
58	11:36:24 ALTER TABLE user RENAME COLUMN personal_email TO email	0 row(s) affected Records: 0 Duplicates: 0 Warnings: 0	0.031 sec
59	11:36:25 INSERT INTO user (id, name, surname, phone, email, birth_date, country, city, postal_code, address) VALUES ('9999', 'Exercici3', 'Exercici3', NULL, NULL, NULL, NULL, NULL, NULL, NULL);	1 row(s) affected	0.000 sec
60	11:36:27 INSERT INTO transaction (id, credit_card_id, company_id, user_id, lat, longitude, timestamp, amount, declined) VALUES ('18081010-5823-476C-55EF-C568E49A9900', 'ccu-9999', 'b-9999', '9999', '829.999', '-117.999', 'timestamp', '111.11', '0');	1 row(s) affected	0.016 sec

Exercici 4:

MySQL Workbench interface showing a SQL script for Exercise 4. The script includes table creation, data insertion, and a view creation. The output window shows execution results with error messages for foreign key constraints.

```
-- Ejercicio 3
-- En la taula "transaction" Ingressa un nou usuari amb la següent informació:
-- Id 18081010-5823-476C-55EF-C568E49A9900
-- credit_card_id ccu-9999
-- company_id b-9999
-- user_id 9999
-- lat 829.999
-- longitude -117.999
-- amount 111.11
-- declined 0
-- Ejercicio 4
-- Des de recursos humans et sol·liciten eliminar la columna "pan" de la taula credit_card. Recorda mostrar el canvi realitzat.
DESC credit_card;
ALTER TABLE credit_card DROP column pan;
DESC credit_card;
-- Ejercicio 5
-- La secció de màrqueting desitja tenir accés a informació específica per a realitzar anàlisi i estratègies efectives.
-- S'ha sol·licitat crear una vista que proporcioni detalls clau sobre les companyies i les seves transaccions.
-- Serà necessària que creis una vista anomenada VistaMarketing que contingui la següent informació:
-- Nom de la companyia. Tel·lèfon de contacte. País de residència. Mitjana de compra realitzat per cada companyia.
-- Presenta la vista creada, ordenant les dades de major a menor mitjana de compra.
CREATE OR REPLACE VIEW VistaMarketing AS (
    SELECT company_name, phone, country, AVG(amount) AS mitjana_compra
    FROM transaction t
    JOIN company c ON t.company_id = c.id
    WHERE c.id = 'b-9999'
)
```

Output window showing execution results:

Time	Action	Message	Duration / Fetch
10138	13:14:31 SELECT * from company where id = 'b-9999' LIMIT 0, 1000	0 row(s) returned	0.000 sec / 0.000 sec
10139	13:14:36 INSERT INTO transaction (id, credit_card_id, company_id, user_id, lat, longitude, timestamp, amount, declined) VALUES ('18081010-5823-476C-55EF-C568E49A9900', 'ccu-9999', 'b-9999', '9999', '829.999', '-117.999', 'timestamp', '111.11', '0');	Error Code: 1452: Cannot add or update a child row: a foreign key constraint fails (transactions.transaction, CONSTRAINT transaction_fkey_2)	0.000 sec
10140	13:15:28 SELECT id from company LIMIT 0, 1000	100 row(s) returned	0.000 sec / 0.000 sec
10141	13:17:41 DESC credit_card	0 row(s) returned	0.000 sec / 0.000 sec
10142	13:18:19 ALTER TABLE credit_card DROP column pan	0 row(s) affected Records: 0 Duplicates: 0 Warnings: 0	0.016 sec
10143	13:18:24 DESC credit_card	7 row(s) returned	0.000 sec / 0.000 sec

Exercici 2 Nivell 2:

Local Instance MySQL84

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Query 1

data_introducir_sprint3_credit

estructura dades

dades_introducir_sprint3

Sprint2

Sprint2

```

63 -- Elimina de la taula transaction el registre amb ID 000447FE-B650-4DCF-85DE-C7ED0EE1CAAD de la base de dades.
64 * SELECT * FROM transaction WHERE id='000447FE-B650-4DCF-85DE-C7ED0EE1CAAD';
65 * DELETE FROM transaction WHERE id='000447FE-B650-4DCF-85DE-C7ED0EE1CAAD';
66 * SELECT * FROM transaction WHERE id='000447FE-B650-4DCF-85DE-C7ED0EE1CAAD';
67 -- Exercici 2
68 -- La secció de màrqueting desitja tenir accés a informació específica per a realitzar anàlisi i estratègies efectives.
69 -- Si'ha sol·licitat crear una vista que proporcioni detalls clau sobre les companyies i les seves transaccions.
70 -- Serà necessària que creis una vista anomenada VistaMarketing que contingui la següent informació:
71 -- Nom de la companyia, Telèfon de contacte, País de residència, Mitjana de compra realitzat per cada companyia.
72 -- Presenta la vista creada, ordenant les dades de major a menor mitjana de compra.
73 * CREATE OR REPLACE VIEW VistaMarketing AS (
74     SELECT company_name, phone, country, AVG(amount) AS mitjana_compra
75     FROM company c, transaction t
76     WHERE c.id = t.company_id
77     GROUP BY company_name, phone, country
78     ORDER BY AVG(amount) DESC
79 );
80
81 * SELECT * FROM VistaMarketing ORDER BY mitjana_compra DESC;
82
83 -- Exercici 3
84 -- Filtra la vista VistaMarketing per a mostrar només les companyies que tenen el seu país de residència en "Germany"
85 * SELECT * FROM VistaMarketing WHERE country = 'Germany';

```

Result Grid

Filter Rows

Export

Wrap Cell Contents

company_name	phone	country	mitjana_compra
Act Fermentum Incorporated	06 85 56 52 39	Germany	284.387150
Pretium Neque Corp.	07 77 48 55 28	Australia	276.158330
Urna Convallis Associates	06 01 24 77 04	United States	274.235011
Ali Associates	09 56 61 03 65	New Zealand	272.214070
Metus Vitae Associates	08 25 44 40 66	Australia	270.009665
Aliquet Diam Limited	02 76 61 47 46	United States	269.999181
Nec Luctus LLC	02 44 71 75 79	Norway	268.604037
Neque Tellus Incorporated	04 63 18 34 59	Ireland	267.930372
Tortor Nunc Commodo Company	05 35 92 77 16	United States	267.836085
Cras Consulting	07 50 39 85 63	Belgium	267.439469
Igit Ipsum Ltd	03 67 44 56 72	United States	267.960541

VistaMarketing x

Output

Action Output

Time	Action	Message	Duration / Fresh
18 10:30:24	SELECT * FROM VistaMarketing LIMIT 0, 1000	100 rows returned	0.281 sec / 0.000 sec
19 10:30:34	SELECT * FROM VistaMarketing ORDER BY AVG(amount) DESC LIMIT 0, 1000	Error Code: 1054. Unknown column 'amount' in 'order clause'	0.000 sec
20 10:30:40	SELECT * FROM VistaMarketing ORDER BY AVG(amount) DESC LIMIT 0, 1000	Error Code: 1054. Unknown column 'amount' in 'order clause'	0.000 sec
21 10:30:57	SELECT * FROM VistaMarketing ORDER BY AVG(amount) DESC LIMIT 0, 1000	100 rows affected	0.281 sec / 0.000 sec
22 10:31:35	CREATE OR REPLACE VIEW VistaMarketing AS (SELECT company_name, phone, country, AVG(amount) AS mitjana_compra FROM company ...	0 rows affected	0.000 sec
23 10:31:38	SELECT * FROM VistaMarketing ORDER BY mitjana_compra DESC LIMIT 0, 1000	100 rows returned	0.282 sec / 0.000 sec

MySQL DELETE Stat...

Sprint 3

MySQL Workbench

Sprint1.docx • Libre...

ES

24°C

Seoledo

10:31

10/09/2025

skilla

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Sprint2

Sprint2

```

35 -- user_id 9999
36 * INSERT INTO transaction (id, credit_card_id, company_id, user_id, lat, longitude, timestamp, amount, declined) VALUES ('10001D1D-5023-A70C-55EF-C568E40A9900', 'Ccu-9999', 'b-9999', '9999',
37 -- lat 829.999
38 -- longitude -117.999
39 -- amount 111.11
40 -- declined 0
41
42 * INSERT INTO transaction (id, credit_card_id, company_id, user_id, lat, longitude, timestamp, amount, declined) VALUES ('10001D1D-5023-A70C-55EF-C568E40A9900', 'Ccu-9999', 'b-9999', '9999',
43 -- Da error ya que no existe la companyia 'b-9999' y hay una foreign KEY a la tabla de company
44
45 -- Exercici 4
46 -- Des de recursos humans et sol·liciten eliminar la columna "pan" de la taula credit_card. Recorda mostrar el canvi realitzat.
47 * DESC credit_card;
48 * ALTER TABLE credit_card DROP column pan;
49 * DESC credit_card;
50
51 -- ***** Nivell 3 *****
52 -- Exercici 1
53 -- Elimina de la taula transaction el registre amb ID 000447FE-B650-4DCF-85DE-C7ED0EE1CAAD de la base de dades.
54 * SELECT * FROM transaction WHERE id='000447FE-B650-4DCF-85DE-C7ED0EE1CAAD';
55 * DELETE FROM transaction WHERE id='000447FE-B650-4DCF-85DE-C7ED0EE1CAAD';
56 * SELECT * FROM transaction WHERE id='000447FE-B650-4DCF-85DE-C7ED0EE1CAAD';

```

Result Grid

Filter Rows

Export

Wrap Cell Contents

id	credit_card_id	company_id	user_id	lat	longitude	timestamp	amount	declined
10001D1D-5023-A70C-55EF-C568E40A9900	Ccu-9999	b-9999	9999	829.999	-117.999	2025-10-09 10:31:38	111.11	0

transaction 2 x

Output

Action Output

Time	Action	Message	Duration / Fresh
5 10:21:10	SELECT * FROM transaction WHERE id='000447FE-B650-4DCF-85DE-C7ED0EE1CAAD' LIMIT 0, 1000	Error Code: 1046. No database selected Select the default DB to be used by double-clicking its name in the SCHEMAS list in the sidebar.	0.000 sec
6 10:22:14	SELECT * FROM transaction WHERE id='000447FE-B650-4DCF-85DE-C7ED0EE1CAAD' LIMIT 0, 1000	1 row(s) returned	0.015 sec / 0.000 sec
7 10:22:22	DELETE transaction WHERE id='000447FE-B650-4DCF-85DE-C7ED0EE1CAAD'	Error Code: 1064. You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near '' at line 1	0.000 sec
8 10:22:33	DELETE TABLE transaction WHERE id='000447FE-B650-4DCF-85DE-C7ED0EE1CAAD'	Error Code: 1064. You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near '' at line 1	0.000 sec
9 10:22:35	DELETE FROM transaction WHERE id='000447FE-B650-4DCF-85DE-C7ED0EE1CAAD'	1 row(s) affected	0.219 sec
10 10:23:03	SELECT * FROM transaction WHERE id='000447FE-B650-4DCF-85DE-C7ED0EE1CAAD' LIMIT 0, 1000	0 row(s) returned	0.000 sec / 0.000 sec

Exercici 3 Nivell 2

The screenshot shows the MySQL Workbench interface. The left sidebar displays the 'SCHEMAS' tree with 'transactions' selected. The main editor shows a SQL query with comments in Catalan and Spanish, and a result grid below it.

Query 1:

```

55 * DELETE FROM transaction WHERE Id='000447FE-B658-4DCF-85DE-C7ED0EE1CA0D';
56 * SELECT * FROM transaction WHERE Id='000447FE-B658-4DCF-85DE-C7ED0EE1CA0D';
57 -- Exercici 2
58 -- La secció de màrqueting desitja tenir accés a informació específica per a realitzar anàlisi i estratègies efectives.
59 -- S'ha sol·licitat crear una vista que proporcioni detalls clau sobre les companyies i les seves transaccions.
60 -- Serà necessària que creis una vista anomenada VistaMarketing que contingui la següent informació:
61 -- Nom de la companyia, Telèfon de contacte, País de residència, Mitjana de compra realitzat per cada companyia.
62 -- Presenta la vista creada, ordenant les dades de major a menor mitjana de compra.
63 * CREATE OR REPLACE VIEW VistaMarketing AS (
64     SELECT company_name, phone, country, AVG(amount) AS mitjana_compra
65     FROM company c, transaction t
66     WHERE c.id = t.company_id
67     GROUP BY company_name, phone, country
68     ORDER BY AVG(amount) DESC
69 );
70
71 * SELECT * FROM VistaMarketing ORDER BY mitjana_compra DESC;
72
73 -- Exercici 3
74 -- Filtra la vista VistaMarketing per a mostrar només les companyies que tenen el seu país de residència en "Germany"
75
76 * SELECT * FROM VistaMarketing WHERE country = "Germany";
77 -- ***** Nivell 3 *****

```

Result Grid:

company_name	phone	country	mitjana_compra
Ac Fermentum Incorporated	06 85 56 52 33	Germany	284.867160
Nunc Interdum Incorporated	05 28 15 48 10	Germany	259.319156
Convelis Incorporated	06 66 57 25 30	Germany	257.745376
Ac Industries	09 34 65 40 60	Germany	255.147288
Rutrum Non Inc.	02 66 21 61 09	Germany	255.136927
Auctor Mauris Corp.	05 63 87 14 41	Germany	254.765318
Auque Foundation	06 88 43 15 63	Germany	253.505000
Aliquam PC	01 45 73 52 36	Germany	253.136923

Output:

Time	Action	Message	Duration / Fetch
19 10:30:34	SELECT * FROM VistaMarketing ORDER BY AVG(amount) DESC LIMIT 0.1000	Error Code: 1054. Unknown column 'amount' in 'order clause'	0.000 sec
20 10:30:40	SELECT * FROM VistaMarketing ORDER BY AVG(amount) DESC LIMIT 0.1000	Error Code: 1054. Unknown column 'amount' in 'order clause'	0.000 sec
21 10:30:57	SELECT * FROM VistaMarketing ORDER BY AVG(amount) DESC LIMIT 0.1000	100 row(s) returned	0.281 sec / 0.000 sec
22 10:31:35	CREATE OR REPLACE VIEW VistaMarketing AS (SELECT company_name, phone, country, AVG(amount) AS mitjana_compra FROM company ...	0 row(s) affected	0.000 sec
23 10:31:38	SELECT * FROM VistaMarketing ORDER BY mitjana_compra DESC LIMIT 0.1000	100 row(s) returned	0.282 sec / 0.000 sec
24 10:33:28	SELECT * FROM VistaMarketing WHERE country = "Germany" LIMIT 0.1000	8 row(s) returned	0.031 sec / 0.000 sec

Exercici 1 Nivell 3:

A la taula, credit_card se li ha afegir el camp fecha_actual, he posat un default pq es el mes normal per aquest tipus de camp.

A la taula user s'ha renombrat la columna correu electrònic per personal_email.

A la taula transaction se li ha afegit la clau foranea de user, per això s'ha hagut de modificar el tipus del camp user_id a char(10) perquè coincideixi amb el tipus que te el id a la taula user.

MySQL Workbench interface showing a SQL script for Exercise 2, Level 3. The script includes comments in Catalan and SQL commands for creating a database, tables, and users.

```

-- Exercici 3
-- Filtra la vista VistaMarketing per a mostrar només les companyies que tenen el seu país de residència en "Germany"
SELECT * FROM VistaMarketing WHERE country = "Germany";

-- Exercici 1
-- La setmana vinent tindràs una nova reunió amb els gerents de màrqueting. Un company del teu equip va realitzar modificacions en la base de dades, però no records com les va realitzar.
-- Et demana que l'ajudis a deixar els comandos executats per a obtenir el següent diagrama:
-- En aquesta activitat, és necessari que descriguis el "pas a pas" de les tasques realitzades. És important realitzar descripcions senzilles, simples i fàcils de comprendre. Per a realitzar
-- Records continuar treballant sobre el model i les taules amb les quals ja has treballat fins ara.

ALTER TABLE credit_card
ADD fecha_actual DATE DEFAULT (CURRENT_DATE);

DESC user;
ALTER TABLE user
RENAME COLUMN email TO personal_email;

DESC transaction;
ALTER TABLE transaction
MODIFY COLUMN user_id CHAR(10);
ALTER TABLE transaction
ADD FOREIGN KEY (user_id) REFERENCES user(id);

-- Exercici 2

```

The output window shows the execution results of the SQL script, including messages and durations for each statement.

#	Time	Action	Message	Duration / Fetch
5029	11:16:21	ALTER TABLE user RENAME COLUMN email TO personal_email	0 row(s) affected Records: 0 Duplicates: 0 Warnings: 0	0.015 sec
5030	11:16:24	DESC user	10 row(s) returned	0.000 sec / 0.000 sec
5031	11:18:00	DESC user	10 row(s) returned	0.000 sec / 0.000 sec
5032	11:18:15	DESC transaction	9 row(s) returned	0.000 sec / 0.000 sec
5033	11:18:24	ALTER TABLE transaction ADD FOREIGN KEY (user_id) REFERENCES user(id)	Error Code: 3780. Referencing column 'user_id' and referenced column 'id' in foreign key constraint 'transaction_ibfk_2' are incompatible	0.000 sec
5034	11:18:39	DESC transaction	9 row(s) returned	0.000 sec / 0.000 sec
5035	11:18:44	DESC user	10 row(s) returned	0.000 sec / 0.000 sec
5036	11:19:51	DESC transaction	9 row(s) returned	0.000 sec / 0.000 sec
5037	11:19:59	DESC transaction	9 row(s) returned	0.015 sec / 0.000 sec
5038	11:20:04	DESC user	10 row(s) returned	0.000 sec / 0.000 sec
5039	11:20:26	ALTER TABLE transaction MODIFY COLUMN user_id CHAR(10)	99999 row(s) affected Records: 99999 Duplicates: 0 Warnings: 0	1.157 sec
5040	11:20:28	ALTER TABLE transaction ADD FOREIGN KEY (user_id) REFERENCES user(id)	99999 row(s) affected Records: 99999 Duplicates: 0 Warnings: 0	1.435 sec

Exercici 2 Nivell 3:

MySQL Workbench interface showing a query execution session. The left sidebar displays the database schema, including tables like sakila, sys, transactions, and company. The main window shows the SQL editor with a query that creates a view named InformeTecnico. The query includes a SELECT statement with columns t.id, name, surname, iban, and company_name, joined with transaction, user, credit_card, and company tables. The query is executed, and the results are displayed in a table with columns id, name, surname, iban, and company_name. The results show a list of companies and their associated users and credit cards.

Query 1: datos_introduci_sprint3_credit

```
96 MODIFY COLUMN user_id CHAR(10);
97 ALTER TABLE transaction
98 ADD FOREIGN KEY (user_id) REFERENCES user(id) ;
99
100 -- Ejercicio 2
101 -- L'empresa també us demana crear una vista anomenada "InformeTecnico" que contingui la següent informació:
102
103
104 CREATE OR REPLACE VIEW InformeTecnico AS(
105     SELECT t.id, name, surname, iban, company_name
106     FROM transaction t
107     INNER JOIN user u ON u.id = user_id
108     INNER JOIN credit_card cc ON cc.id = credit_card_id
109     INNER JOIN company c ON c.id = t.company_id
110 );
111 SELECT * FROM InformeTecnico ORDER BY id DESC;
112
```

Result Grid:

id	name	surname	iban	company_name
FFFD31D6-9495-4DCE-854A-708BE1CC274B	Bmrgl	Tprvmrc	XX794014451211289182490922	Turpie Company
FFFCF76D-ECF9-4985-A2D0-62A7B75989FC	Dñfed	Vlqgd	XX636251701647892036676034	Amet Nulla Donec Corporation
FFFC8E8D-27C7-4A0E-68F2-7538F40F126	FaeVrfy	XX6267743304232611407567	Nulla Interdum Incorporated	
FFFB27D0-F53A-4D0D-9666-E5307C3C0C84	Ggppa	UqzJh	XX395114267082019952567052	Viverra Donec Foundation
FFFE3CE-234E-40BC-ABEF-F9CA0577224A	Yahmq	Zupkeed	XX8949462156537570367941	Convallis In Incorporated
FFP9E178-ACD3-4F99-998D-84D5808081	Jmwpk	Xmcoomw	XX321495515711854084711481	Plus Aenean Eget Foundation
FFFB67C3-1785-4B1F-AF09-F8023A4A446E	Fghqf	Lvhfrne	XX278446342932680979729426	Cras Vehicula Aliquet Industries
FFP7042D-18C6-4D0D-823C-4D90A4AC9F26	Npnaa	Egssqui	XX40509272572550082027209	Pleceat LLP
FFP60D4-4244-4794-421D-E3D1C3B9C800	Lopstj	Hgrfyfj	XX6377663973862745401125	Pede Cum Ltd
FFP6565-9441-436D-8D27-66C3B6136127	Gmtrou	OndHed	XX278020581170546394134843	At Associates
FFP4F454-4359-41F0-8D02-F73D3DC1ACAD	Gqfyfj	Mpfhfn	XX802723943240147612158718	Enim Conditum Ltd
FFP42F7D-7AD0-4EE2-AF72-5996963F8A69	Dduqgs	Yalqpru	XX926492301555193974199541	At Pede Corp.
FFP402D-5669-4A1F-6B07-17043D2607A5	Gjwvp	Egwpfjd	XX394547232638916912333873	Amet Nulla Donec Corporation
FFP290E8-79D2-497C-8DCE-2E0C3FE3E3AD	Wicfyjs	Klkhthld	XX458989648222230717519935	Integer Mollis Corp.
InfoTecnico	id	name	surname	iban

Output:

Action	Time	Message	Duration / Fetch
5036 11:19:51 DESC transaction	9 rows(s) returned		0.000 sec / 0.000 sec
5037 11:19:59 DESC transaction	9 rows(s) returned		0.015 sec / 0.000 sec
5038 11:20:04 DESC user	10 rows(s) returned		0.000 sec / 0.000 sec
5039 11:20:26 ALTER TABLE transaction MODIFY COLUMN user_id CHAR(10)	59999 rows(s) affected Records: 59999 Duplicates: 0 Warnings: 0		1.157 sec
5040 11:20:28 ALTER TABLE transaction ADD FOREIGN KEY (user_id) REFERENCES user(id)	59999 rows(s) affected Records: 59999 Duplicates: 0 Warnings: 0		1.455 sec
5041 11:36:49 SELECT t.id, name, surname, iban, company_name FROM transaction t INNER JOIN user u ON u.id = user_id	10000 rows(s) returned		0.000 sec / 0.016 sec
5042 11:41:26 CREATE OR REPLACE VIEW InformeTecnico AS SELECT t.id, name, surname, iban, company_name FROM transaction t INNER JOIN user u ON u.id = user_id	0 rows(s) affected		0.000 sec
5043 11:41:29 SELECT * FROM InformeTecnico ORDER BY id DESC LIMIT 0, 1000	1000 rows(s) returned		0.579 sec / 0.000 sec