

Tarea S3.01. Manipulación de tablas

Nivel 1 - Exercici 1

La teva tasca és dissenyar i crear una taula anomenada "credit_card" que emmagatzemi detalls crucials sobre les targetes de crèdit. 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.

Creemos la tabla *credit_card*

```
1 CREATE TABLE credit_card (
2   id VARCHAR(15),
3   iban VARCHAR(40),
4   pan VARCHAR(19),
5   pin CHAR(4),
6   cvv CHAR(3),
7   expiring_date VARCHAR(10),
8   CONSTRAINT pk_id PRIMARY KEY (id)
9 );
```

100% 20:3

Action Output

	Time	Action	Response
✓ 1	18:55:19	CREATE TABLE credit_card (id VARCHAR(15), iban VARCHAR(40), pan VARCHAR(19), pin CHAR(4), cvv CHAR(3), expiring_date VARCHAR(10), CONSTRAINT pk_id PRIMARY KEY (id))	0 row(s) affected

Insertamos los registros en la tabla

```
269 INSERT INTO credit_card (id, iban, pan, pin, cvv, expiring_date) VALUES ( 'CcU-4800', 'SI97824334522161436', '5455 7952 5528 3322', '3745', '886', '05/23/20');
270 INSERT INTO credit_card (id, iban, pan, pin, cvv, expiring_date) VALUES ( 'CcU-4807', 'LB19298318715580851625676971', '4539 4326 8269 4216', '8596', '626', '04/07/22');
271 INSERT INTO credit_card (id, iban, pan, pin, cvv, expiring_date) VALUES ( 'CcU-4814', 'MR4845282437847152280636374', '374471619343357', '8790', '124', '12/19/20');
272 INSERT INTO credit_card (id, iban, pan, pin, cvv, expiring_date) VALUES ( 'CcU-4821', 'LT253147505686466784', '453987 7873842836', '9000', '867', '07/15/20');
273 INSERT INTO credit_card (id, iban, pan, pin, cvv, expiring_date) VALUES ( 'CcU-4828', 'BG111LMJ30149367569464', '4485252735942', '2789', '942', '09/04/22');
274 INSERT INTO credit_card (id, iban, pan, pin, cvv, expiring_date) VALUES ( 'CcU-4835', 'PT34592171131763200132583', '3723 677744 22550', '1149', '680', '01/08/24');
275 INSERT INTO credit_card (id, iban, pan, pin, cvv, expiring_date) VALUES ( 'CcU-4842', 'SA2156708561957118818229', '3774 636724 83250', '4655', '750', '11/11/24');
276 INSERT INTO credit_card (id, iban, pan, pin, cvv, expiring_date) VALUES ( 'CcU-4849', 'SE2813123487163628531121', '5223363813491514', '9992', '779', '03/21/25');
277 INSERT INTO credit_card (id, iban, pan, pin, cvv, expiring_date) VALUES ( 'CcU-4856', 'TR373872558313545667124286', '349528235713651', '9086', '974', '05/19/23');
278
279
```

100% 1:278

Action Output

	Time	Action	Response
✓ 247	18:55:37	INSERT INTO credit_card (id, iban, pan, pin, cvv, expiring_date) VALUES ('CcU-4660', 'LV89RQC7474307666821', '492948 3588749370', '3290', '114', '07/04/20')	1 row(s) affected
✓ 248	18:55:37	INSERT INTO credit_card (id, iban, pan, pin, cvv, expiring_date) VALUES ('CcU-4667', 'PT79551618452454886142166', '3745 466677 72837', '2301', '738', '08/11/24')	1 row(s) affected
✓ 249	18:55:37	INSERT INTO credit_card (id, iban, pan, pin, cvv, expiring_date) VALUES ('CcU-4674', 'DO71864273752576855610355726', '3437 391826 27572', '4022', '581', '05/23/24')	1 row(s) affected
✓ 250	18:55:37	INSERT INTO credit_card (id, iban, pan, pin, cvv, expiring_date) VALUES ('CcU-4681', 'GE38261236401561281317', '448 57826 38974 722', '6486', '707', '04/13/22')	1 row(s) affected

Tarea S3.01. Manipulación de tablas

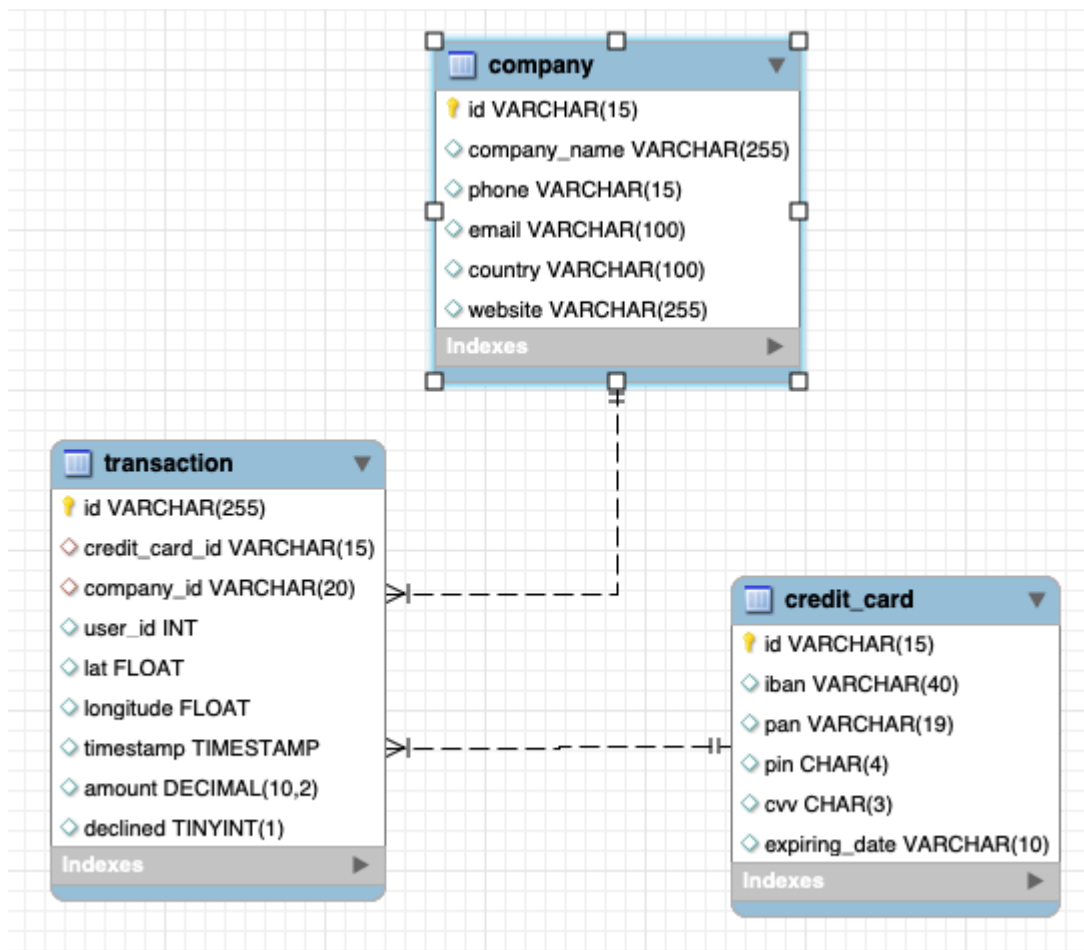
Añado como *FOREIGN KEY* la columna **credit_card_id** de la tabla *transaccion* para hacer referencia a la nueva tabla creada y crear la relación entre estas

```
1 ALTER TABLE transaction
2 ADD CONSTRAINT fk_credit_card FOREIGN KEY(credit_card_id)
3 REFERENCES credit_card(id);
4
5 -- ALTER TABLE company
6 -- ADD credit_card_id VARCHAR(15),
7 -- ADD CONSTRAINT fk_credit_card FOREIGN KEY(credit_card_id)
8 -- REFERENCES credit_card(id);
```

100% 35-8

Action Output

	Time	Action	Response
✓ 1	18:57:09	ALTER TABLE transaction ADD CONSTRAINT fk_credit_card FOREIGN KEY(credit_card_id) REFERENCES credit_card(id)	587 row(s) affected



Tarea S3.01. Manipulación de tablas

En este diagrama podemos ver la nueva tabla de *credit_card* con los campos y el tipo de valor para este, su campo **id** como identificador único y el índice que se creó por defecto al ser **PRIMARY KEY**.

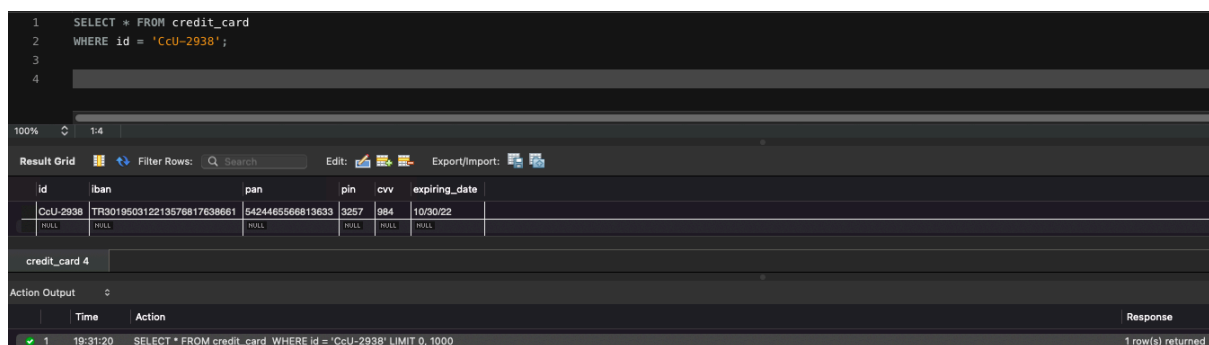
También podemos ver la relación que tiene ahora con *transaction* de 1:n y su **FOREIGN KEY** referenciando a *credit_card*.

También mencionar que el tipo de datos de *expiring_data* lo añado como un dato de tipo VARCHAR ya que el formato del dato que nos llega no coincide con el formato de TIMESTAMP yyyy-MM-dd HH:mm:ss.

Nivel 1 - Exercici 2

El departament de Recursos Humans ha identificat un error en el número de compte de l'usuari amb ID CcU-2938. La informació que ha de mostrar-se per a aquest registre és: R323456312213576817699999. Recorda mostrar que el canvi es va realitzar.

Seleccionamos el registro que queremos modificar para ver el contenido de este



The screenshot shows a database management interface. At the top, a SQL query is entered: `SELECT * FROM credit_card WHERE id = 'CcU-2938';`. Below the query, the 'Result Grid' displays the query results. The first row shows the details for the credit card with ID 'CcU-2938', including its IBAN, PAN, PIN, CVV, and expiration date. The second row shows null values for the same fields. Below the result grid, the 'Action Output' section shows the execution of the query, indicating that 1 row(s) were returned.

id	iban	pan	pin	cvv	expiring_date
CcU-2938	TR301950312213576817638661	5424465566813633	3257	984	10/30/22

Time	Action	Response
19:31:20	SELECT * FROM credit_card WHERE id = 'CcU-2938' LIMIT 0, 1000	1 row(s) returned

Tarea S3.01. Manipulación de tablas

Hacemos la modificación pertinente utilizando un UPDATE

```
1 UPDATE credit_card SET iban='R323456312213576817699999'
2 WHERE id = 'CcU-2938';
3
```

100% 23:2

Action Output

	Time	Action	Response
✓ 1	19:34:16	UPDATE credit_card SET iban='R323456312213576817699999' WHERE id = 'CcU-2938'	1 row(s) affected Rows matched: 1

Y Finalmente volvemos a realizar la consulta para ver los nuevos datos que devuelve esta

```
1 SELECT * FROM credit_card
2 WHERE id = 'CcU-2938';
3
4
```

100% 1:3

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

id	iban	pan	pin	cvv	expiring_date
CcU-2938	R323456312213576817699999	5424465566813633	3257	984	10/30/22

credit_card 5

Action Output

	Time	Action	Response
✓ 1	19:34:43	SELECT * FROM credit_card WHERE id = 'CcU-2938' LIMIT 0, 1000	1 row(s) returned

Nivel 1 - Exercici 3

En la taula "transaction" ingresa un nou usuari amb la següent informació:
[FOTO]

No puedo añadir ese registro porque existen una restricciones de clave foránea que hace referencia a la tabla `company` y `credit_card`. Esto significa que no puedo insertar valores en la columna **company_id** ni **credit_card_id** que correspondan a compañías que no están presentes en la tabla `company` ni tarjetas de crédito registradas con ese id. Por lo tanto, necesito crear esos registros primero antes de poder añadir el nuevo a la tabla `transaction`.

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Añado los nuevos registros a **company**, **credit_card** y **transaction**

```
1 INSERT INTO company (id, company_name, phone, email, country, website)
2 VALUES ('b-9999', 'Umbrella CORP', '06 85 57 52 33', 'nemesi@ps5.com', 'Germany', 'https://instagram.com/site');
3
```

100% 1:1

Action Output

	Time	Action	Response
✓ 1	20:07:30	INSERT INTO company (id, company_name, phone, email, country, website) VALUES ('b-9999', 'Umbrella CORP', '06 85 57 52 33', 'nemesi@ps5.com', 'Germany', 'https://instagram.com/site')	1 row(s) affected

```
1 INSERT INTO credit_card (id, iban, pan, pin, cvv, expiring_date)
2 VALUES ('CcU-9999', 'BG72LKT015627628377365', '446566 886747 7265', '4800', '160', '10/29/24');
3
```

100% 1:3

Action Output

	Time	Action	Response
✓ 1	20:14:44	INSERT INTO credit_card (id, iban, pan, pin, cvv, expiring_date) VALUES ('CcU-9999', 'BG72LKT015627628377365', '446566 886747 7265', '4800', '160', '10/29/24')	1 row(s) affected

```
1 INSERT INTO transaction ( Id, credit_card_id, company_id, user_id, lat, longitude, amount, declined)
2 VALUES ('108B1D1D-5B23-A76C-55EF-C568E49A99DD', 'CcU-9999', 'b-9999', '9999', '829.999', '-117.999', '111.11', '0');
3
4
```

100% 1:4

Action Output

	Time	Action	Response
✓ 1	20:16:48	INSERT INTO transaction (Id, credit_card_id, company_id, user_id, lat, longitude, amount, declined) VALUES ('108B1D1D-5B23-A76C-55EF-C568E49A99DD', 'CcU-9999', 'b-9999', '9999', '829.999', '-117.999', '111.11', '0')	1 row(s) affected

```
1 SELECT * FROM transaction
2 WHERE id = '108B1D1D-5B23-A76C-55EF-C568E49A99DD'
```

100% 1:2

Result Grid

id	credit_card...	company_id	user_id	lat	longitude	timestamp	amount	declined
108B1D1D-5B23-A76C-55EF-C568E49A99DD	CcU-9999	b-9999	9999	829.999	-117.999	111.11	0	

transaction 1

Action Output

	Time	Action	Response
✓ 1	20:17:46	SELECT * FROM transaction WHERE id = '108B1D1D-5B23-A76C-55EF-C568E49A99DD' LIMIT 0, 1000	1 row(s) returned

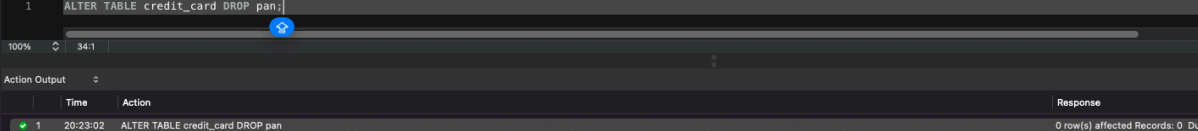
Tarea S3.01. Manipulación de tablas

Nivel 1 - Exercici 4

Des de recursos humans et sol·liciten eliminar la columna "pan" de la taula credit_card.

Realizamos la modificación con un ALTER TABLE

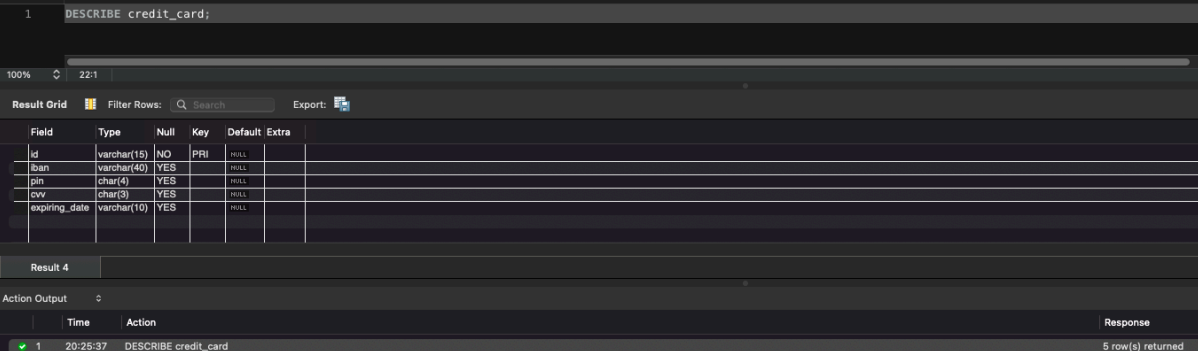
```
1 ALTER TABLE credit_card DROP pan;
```



Action	Time	Action	Response
1	20:23:02	ALTER TABLE credit_card DROP pan	0 row(s) affected Records: 0 Duplicates: 0

Y una consulta con DESCRIBE para ver los campos de esta tabla con la nueva modificación

```
1 DESCRIBE credit_card;
```



Field	Type	Null	Key	Default	Extra
id	varchar(15)	NO	PRI		
ban	varchar(40)	YES			
pin	char(4)	YES			
cvv	char(3)	YES			
expiring_date	varchar(10)	YES			

Action	Time	Action	Response
1	20:25:37	DESCRIBE credit_card	5 row(s) returned

Tarea S3.01. Manipulación de tablas

Nivel 2 - Exercici 1

Elimina de la taula transaction el registre amb ID
02C6201E-D90A-1859-B4EE-88D2986D3B02 de la base de dades.

Selecciono el registro que quiero eliminar

The screenshot shows a database management tool interface. At the top, a SQL query is entered: `SELECT * FROM transaction WHERE id = '02C6201E-D90A-1859-B4EE-88D2986D3B02';`. Below the query, a table of results is displayed. The table has columns: `id`, `credit_card...`, `company_id`, `user_id`, `lat`, `longitude`, `timestamp`, `amount`, and `decli`. The first row contains the data for the specific ID mentioned in the task. Below the table, the 'Action Output' section shows a log of executed commands and their results.

id	credit_card...	company_id	user_id	lat	longitude	timestamp	amount	decli
02C6201E-D90A-1859-B4EE-88D2986D3B02	CcU-2938	b-2362	92	81.9185	-12.5276	2021-08-28 23:42:24	466.92	0
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

	Time	Action
✓ 1	20:25:37	DESCRIBE credit_card
✗ 2	20:33:16	SELECT * FROM transactions WHERE id = '02C6201E-D90A-1859-B4EE-88D2986D3B02' LIMIT 0, 1000
✓ 3	20:33:24	SELECT * FROM transaction WHERE id = '02C6201E-D90A-1859-B4EE-88D2986D3B02' LIMIT 0, 1000

Una vez se que registro quiero seleccionar procedo a su eliminación

The screenshot shows the same database management tool interface. The SQL query has been changed to: `DELETE FROM transaction WHERE id = '02C6201E-D90A-1859-B4EE-88D2986D3B02';`. Below the query, the 'Result Grid' shows a table with all NULL values. The 'Action Output' section shows a log of executed commands and their results, including the successful deletion of the record.

id	credit_card...	company_id	user_id	lat	longitude	timestamp	amount	declined
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

	Time	Action	Response
✓ 1	20:25:37	DESCRIBE credit_card	
✗ 2	20:33:16	SELECT * FROM transactions WHERE id = '02C6201E-D90A-1859-B4EE-88D2986D3B02' LIMIT 0, 1000	5 row(s) returned Error Code: 1146, Table 'transaction'
✓ 3	20:33:24	SELECT * FROM transaction WHERE id = '02C6201E-D90A-1859-B4EE-88D2986D3B02' LIMIT 0, 1000	1 row(s) returned
✓ 4	20:34:28	DELETE FROM transaction WHERE id = '02C6201E-D90A-1859-B4EE-88D2986D3B02'	1 row(s) affected
✓ 5	20:34:46	SELECT * FROM transaction WHERE id = '02C6201E-D90A-1859-B4EE-88D2986D3B02' LIMIT 0, 1000	0 row(s) returned

Tarea S3.01. Manipulación de tablas

Y vuelvo a consultar para asegurarme que ese registro ya no existe.

id	credit_card...	company_id	user_id	lat	longitude	timestamp	amount	declined

	Time	Action	Response
✓ 1	20:25:37	DESCRIBE credit_card	5 row(s) returned
✗ 2	20:33:16	SELECT * FROM transactions WHERE id = '02C6201E-D90A-1859-B4EE-88D2986D3802' LIMIT 0, 1000	Error Code: 1146. Tab
✓ 3	20:33:24	SELECT * FROM transaction WHERE id = '02C6201E-D90A-1859-B4EE-88D2986D3802' LIMIT 0, 1000	1 row(s) returned
✓ 4	20:34:28	DELETE FROM transaction WHERE id = '02C6201E-D90A-1859-B4EE-88D2986D3802'	1 row(s) affected
✓ 5	20:34:46	SELECT * FROM transaction WHERE id = '02C6201E-D90A-1859-B4EE-88D2986D3802' LIMIT 0, 1000	0 row(s) returned

Nivel 2 - Exercici 2

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 creïs una vista anomenada VistaMarketing que contingui la següent informació: Nom de la companyia. Telèfon 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.

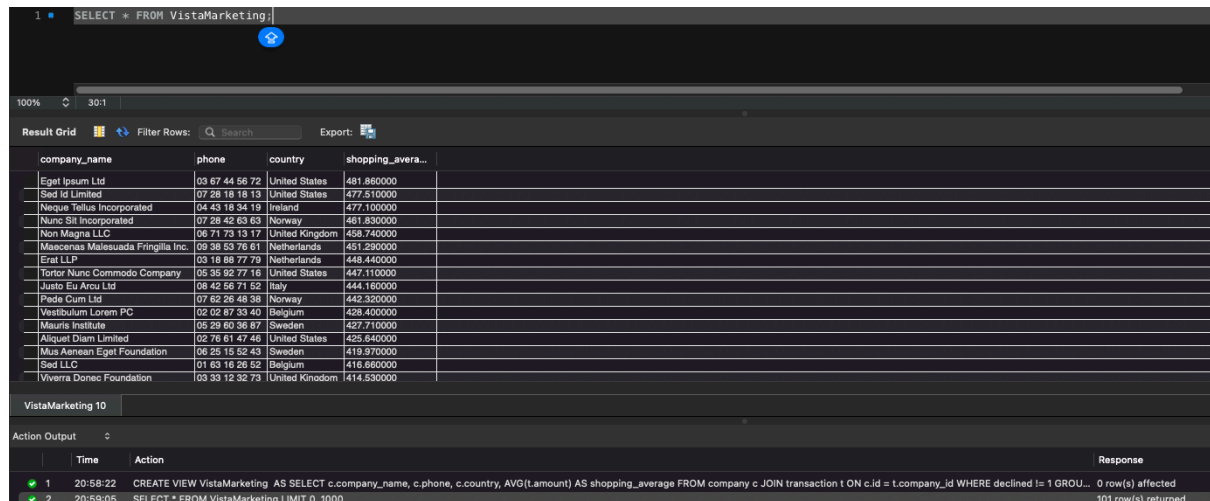
Creación de la vista

```
1 -- VistaMarketing que contingui la següent informació: Nom de la companyia, Telèfon de contacte, País de residència.
2 -- Mitjana de compra realitzat per cada companyia. Presenta la vista creada, ordenant les dades de major a menor mitjana de compra.
3 CREATE VIEW VistaMarketing
4 AS
5 SELECT c.company_name, c.phone, c.country, AVG(t.amount) AS shopping_average
6 FROM company c
7 JOIN transaction t
8 ON c.id = t.company_id
9 WHERE declined != 1
10 GROUP BY c.company_name, c.phone, c.country
11 ORDER BY shopping_average DESC;
12
```


	Time	Action	Response
✓ 1	20:58:22	CREATE VIEW VistaMarketing AS SELECT c.company_name, c.phone, c.country, AVG(t.amount) AS shopping_average FROM company c JOIN transaction t ON c.id = t.company_id WHERE declined != 1 GROU...	0 row(s) affected

Tarea S3.01. Manipulación de tablas

SELECT de la vista para ver los registros que muestra



The screenshot shows a database interface with a query editor at the top containing the SQL statement: `SELECT * FROM VistaMarketing;`. Below the editor, a progress bar indicates 100% completion. The 'Result Grid' section displays a table with the following data:

company_name	phone	country	shopping_avera...
Eget Ipsum Ltd	03 67 44 56 72	United States	481.860000
Sed Id Limited	07 26 16 18 13	United States	477.510000
Naeque Tellus Incorporated	04 43 18 34 19	Ireland	477.100000
Nunc Sit Incorporated	07 26 42 63 63	Norway	461.830000
Non Magna LLC	06 71 73 13 17	United Kingdom	458.740000
Maecenas Malesuada Fringilla Inc.	09 38 63 76 61	Netherlands	451.290000
Erat LLP	03 18 88 77 79	Netherlands	448.440000
Tortor Nunc Commodo Company	05 35 92 77 18	United States	447.110000
Iusto Eu Arcu Ltd	08 42 56 71 52	Italy	444.160000
Pede Cum Ltd	07 62 26 48 38	Norway	442.320000
Vestibulum Lorem PC	02 02 87 33 40	Belgium	428.400000
Mauris Institute	05 29 60 36 87	Sweden	427.710000
Aliquet Diam Limited	02 76 61 47 40	United States	425.540000
Mus Aenean Eget Foundation	06 25 15 52 43	Sweden	419.370000
Sed LLC	01 63 16 26 52	Belgium	416.660000
Viverra Donec Foundation	03 33 12 32 73	United Kingdom	414.530000

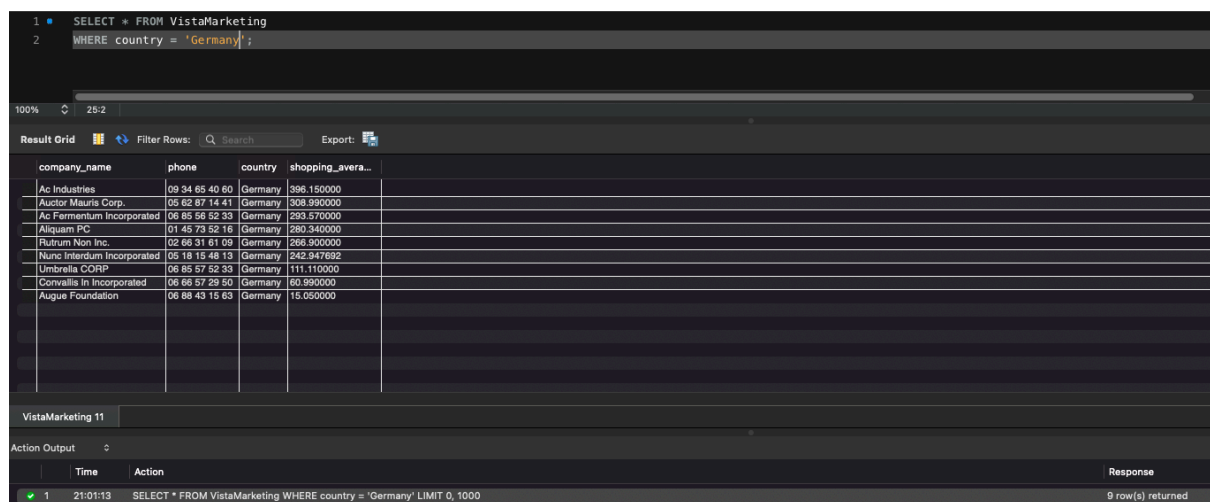
Below the result grid, the 'Action Output' section shows the execution details:

	Time	Action	Response
1	20:58:22	CREATE VIEW VistaMarketing AS SELECT c.company_name, c.phone, c.country, AVG(L.amount) AS shopping_average FROM company c JOIN transaction t ON c.id = t.company_id WHERE declined != 1 GROUP BY c.id	0 row(s) affected
2	20:59:05	SELECT * FROM VistaMarketing LIMIT 0, 1000	101 row(s) returned

Nivel 2 - Exercici 3

Filtra la vista VistaMarketing per a mostrar només les companyies que tenen el seu país de residència en "Germany"

Añado una condición a la consulta que me muestra la vista anteriormente creada



The screenshot shows the same database interface, but the query editor now includes a filter: `SELECT * FROM VistaMarketing WHERE country = 'Germany';`. The 'Result Grid' section displays a table with the following data:

company_name	phone	country	shopping_avera...
Ac Industries	09 34 65 40 60	Germany	396.150000
Auctor Mauris Corp.	05 62 87 14 41	Germany	308.990000
Ac Fermentum Incorporated	06 85 56 52 33	Germany	293.570000
Aliquam PC	01 45 73 52 16	Germany	280.340000
Rutrum Non Inc.	02 66 31 61 09	Germany	266.900000
Nunc Interdum Incorporated	05 18 15 48 13	Germany	242.947692
Umbrella CORP	06 65 57 52 33	Germany	111.110000
Corvallis In Incorporated	06 68 57 29 20	Germany	60.990000
Augue Foundation	06 88 43 15 63	Germany	15.050000

The 'Action Output' section shows the execution details:

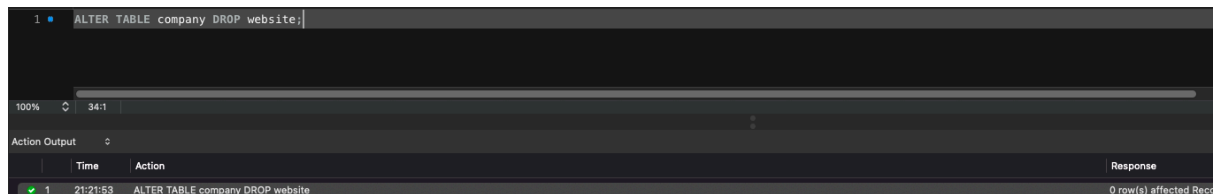
	Time	Action	Response
1	21:01:13	SELECT * FROM VistaMarketing WHERE country = 'Germany' LIMIT 0, 1000	9 row(s) returned

Tarea S3.01. Manipulación de tablas

Nivel 3 - 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 recorda com les va realitzar. Et demana que l'ajudis a deixar els comandos executats per a obtenir el següent diagrama:

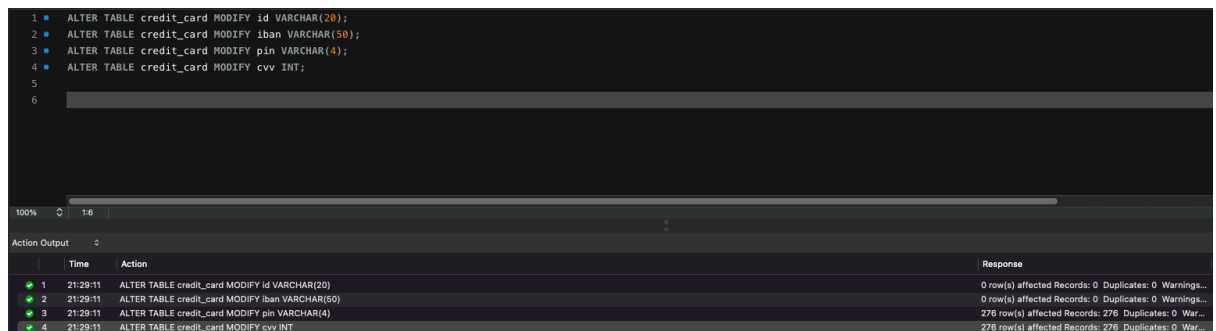
Cambios en la tabla company eliminar el campo website



The screenshot shows a SQL command being executed in a dark-themed interface. The command is 'ALTER TABLE company DROP website;'. Below the command, there is a progress bar at 100% and a table with the execution results.

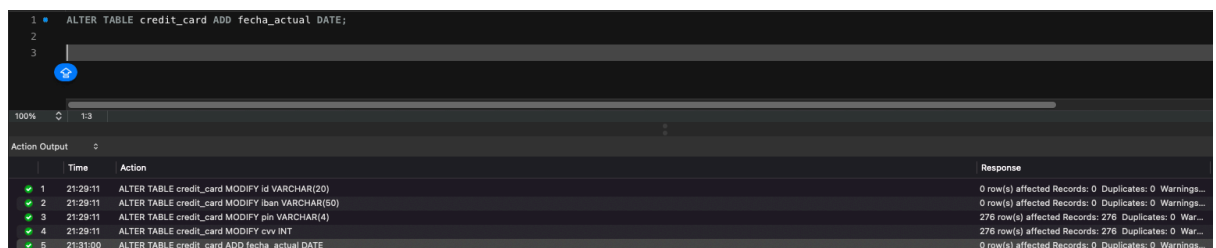
	Time	Action	Response
✓ 1	21:21:53	ALTER TABLE company DROP website	0 row(s) affected Records: 0 Duplicates: 0 Warnings: 0

Cambios en la tabla credit_card



The screenshot shows four SQL commands being executed in a dark-themed interface. The commands are: 'ALTER TABLE credit_card MODIFY id VARCHAR(20);', 'ALTER TABLE credit_card MODIFY iban VARCHAR(50);', 'ALTER TABLE credit_card MODIFY pin VARCHAR(4);', and 'ALTER TABLE credit_card MODIFY cvv INT;'. Below the commands, there is a progress bar at 100% and a table with the execution results.

	Time	Action	Response
✓ 1	21:29:11	ALTER TABLE credit_card MODIFY id VARCHAR(20)	0 row(s) affected Records: 0 Duplicates: 0 Warnings: 0
✓ 2	21:29:11	ALTER TABLE credit_card MODIFY iban VARCHAR(50)	0 row(s) affected Records: 0 Duplicates: 0 Warnings: 0
✓ 3	21:29:11	ALTER TABLE credit_card MODIFY pin VARCHAR(4)	276 row(s) affected Records: 276 Duplicates: 0 Warnings: 0
✓ 4	21:29:11	ALTER TABLE credit_card MODIFY cvv INT	276 row(s) affected Records: 276 Duplicates: 0 Warnings: 0



The screenshot shows five SQL commands being executed in a dark-themed interface. The commands are: 'ALTER TABLE credit_card ADD fecha_actual DATE;', 'ALTER TABLE credit_card MODIFY id VARCHAR(20);', 'ALTER TABLE credit_card MODIFY iban VARCHAR(50);', 'ALTER TABLE credit_card MODIFY pin VARCHAR(4);', and 'ALTER TABLE credit_card MODIFY cvv INT;'. Below the commands, there is a progress bar at 100% and a table with the execution results.

	Time	Action	Response
✓ 1	21:29:11	ALTER TABLE credit_card ADD fecha_actual DATE	0 row(s) affected Records: 0 Duplicates: 0 Warnings: 0
✓ 2	21:29:11	ALTER TABLE credit_card MODIFY id VARCHAR(20)	0 row(s) affected Records: 0 Duplicates: 0 Warnings: 0
✓ 3	21:29:11	ALTER TABLE credit_card MODIFY iban VARCHAR(50)	0 row(s) affected Records: 0 Duplicates: 0 Warnings: 0
✓ 4	21:29:11	ALTER TABLE credit_card MODIFY pin VARCHAR(4)	276 row(s) affected Records: 276 Duplicates: 0 Warnings: 0
✓ 5	21:31:00	ALTER TABLE credit_card MODIFY cvv INT	276 row(s) affected Records: 276 Duplicates: 0 Warnings: 0

Tarea S3.01. Manipulación de tablas

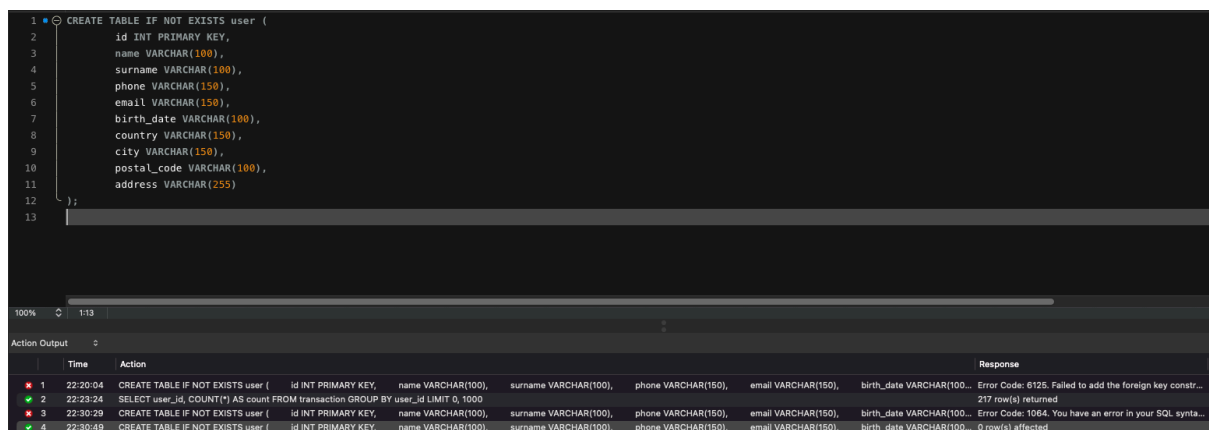
Creación de la tabla user.

Con el índice al crear la tabla me salta un error ya que crear un índice sobre user_id no garantiza unicidad ni integridad referencial, simplemente ayuda a mejorar el rendimiento de las consultas.

```
CREATE INDEX idx_user_id ON transaction(user_id);

CREATE TABLE IF NOT EXISTS user (
    id INT PRIMARY KEY,
    name VARCHAR(100),
    surname VARCHAR(100),
    phone VARCHAR(150),
    email VARCHAR(150),
    birth_date VARCHAR(100),
    country VARCHAR(150),
    city VARCHAR(150),
    postal_code VARCHAR(100),
    address VARCHAR(255),
    FOREIGN KEY(id) REFERENCES transaction(user_id)
);
```

Por lo que he eliminado el índice y la relación que no me permitía crear la tabla dandome error



	Time	Action	Response
1	22:20:04	CREATE TABLE IF NOT EXISTS user (id INT PRIMARY KEY, name VARCHAR(100), surname VARCHAR(100), phone VARCHAR(150), email VARCHAR(150), birth_date VARCHAR(100), country VARCHAR(150), city VARCHAR(150), postal_code VARCHAR(100), address VARCHAR(255));	
2	22:23:24	SELECT user_id, COUNT(*) AS count FROM transaction GROUP BY user_id LIMIT 0, 1000	217 row(s) returned
3	22:30:29	CREATE TABLE IF NOT EXISTS user (id INT PRIMARY KEY, name VARCHAR(100), surname VARCHAR(100), phone VARCHAR(150), email VARCHAR(150), birth_date VARCHAR(100), country VARCHAR(150), city VARCHAR(150), postal_code VARCHAR(100), address VARCHAR(255));	Error Code: 1064. You have an error in your SQL syntax...
4	22:30:49	CREATE TABLE IF NOT EXISTS user (id INT PRIMARY KEY, name VARCHAR(100), surname VARCHAR(100), phone VARCHAR(150), email VARCHAR(150), birth_date VARCHAR(100), country VARCHAR(150), city VARCHAR(150), postal_code VARCHAR(100), address VARCHAR(255));	0 row(s) affected

Tarea S3.01. Manipulación de tablas

Para añadir posteriormente a la tabla la FOREIGN KEY y de esta manera si me acepta la relación entre la tabla transaction y user

```
1 ALTER TABLE transaction
2 ADD CONSTRAINT fk_user FOREIGN KEY(user_id)
3 REFERENCES user(id);
```

100% 24:2

Action Output

	Time	Action
✓ 1	22:51:23	ALTER TABLE transaction ADD CONSTRAINT fk_user FOREIGN KEY(user_id) REFERENCES user(id)

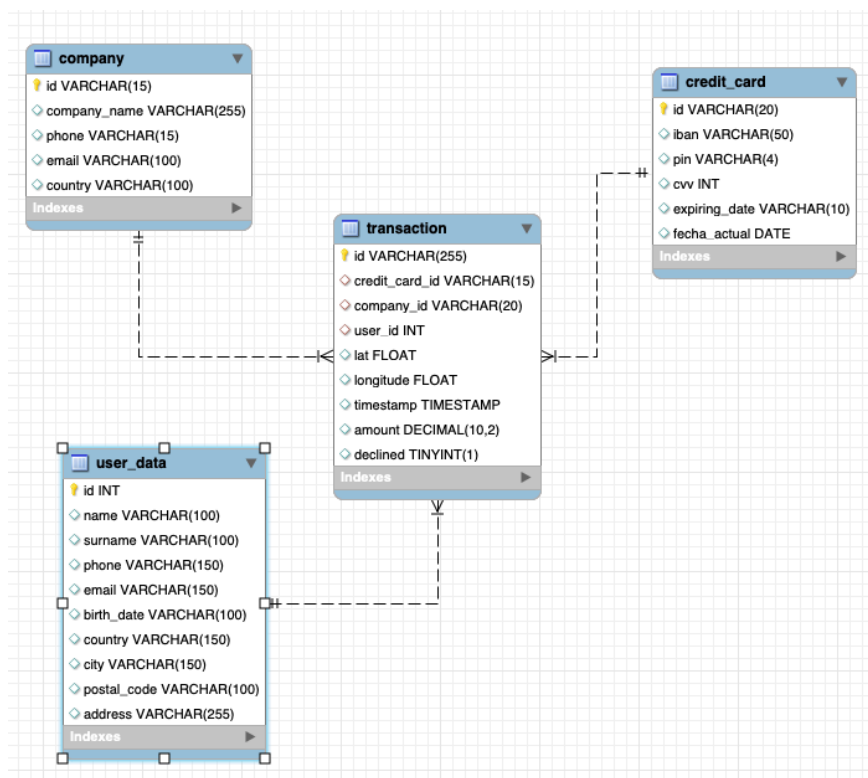
Renombro la tabla user

```
1 ALTER TABLE user RENAME TO user_data;
```

100% 38:1

Action Output

	Time	Action	Response
✓ 1	22:51:23	ALTER TABLE transaction ADD CONSTRAINT fk_user FOREIGN KEY(user_id) REFERENCES user(id)	587 row(s) affected Records: 587 Duplicates: 0
✓ 2	22:56:29	ALTER TABLE user RENAME TO user_data	0 row(s) affected



Tarea S3.01. Manipulación de tablas

Nivel 3 - Exercici 2

L'empresa també et sol·licita crear una vista anomenada "InformeTecnico" que contingui la següent informació:

ID de la transacció

Nom de l'usuari/ària

Cognom de l'usuari/ària

IBAN de la targeta de crèdit usada.

Nom de la companyia de la transacció realitzada.

Assegura't d'incloure informació rellevant de totes dues taules i utilitza àlies per a canviar de nom columnes segons sigui necessari.

Mostra els resultats de la vista, ordena els resultats de manera descendent en funció de la variable ID de transaction.

Creación de la vista

```
1 CREATE VIEW InformeTecnico
2 AS
3 SELECT t.id AS id_transaccion, u.name AS nombre_usuario, u.surname as apellido_usuario, cc.iban, c.company_name AS nombre_compañia
4 FROM transaction t
5 JOIN user_data u
6 ON t.user_id = u.id
7 JOIN credit_card cc
8 ON t.credit_card_id = cc.id
9 JOIN company c
10 ON t.company_id = c.id
11 ORDER BY id_transacc DESC;
12
13
14
```

100% 23:10

Action Output

	Time	Action	Response
✓ 1	23:32:54	CREATE VIEW InformeTecnico AS SELECT t.id AS id_transaccion, u.name AS nombre_usuario, u.surname as apellido_usuario, cc.iban, c.company_name AS nombre_compañia FROM transaction t JOIN user_d...	0 row(s) affected

Tarea S3.01. Manipulación de tablas

SELECT de la vista para comprobar que se creó con los campos deseados

1 • select * from InformeTecnico;

100% 30:1

Result Grid Filter Rows: Search Export:

	id_transaccion	nombre_usuario	apellido_usuario	iban	nombre_compañia	
	FE96CE47-BD59-381C-4E18-E3CA3D44E8FF	Kenyon	Hartman	DO26854763748537475216568689	Magna A Neque Industries	
	FE809ED4-2DB6-55AC-C915-929516E4646B	Molly	Gilliam	SE2813123487163628531121	Nunc Interdum Incorporated	
	FD9CBCCD-8E1E-8DA1-4606-7E3A6F3A5A65	Linus	Willis	KW9485332754781757886242955643	Nunc Interdum Incorporated	
	FD89D51B-AE8D-77DC-E450-B8083FBD3187	Hilda	Levy	LT053237077744561475	Malesuada PC	
	FD2E8957-414B-BEEC-E9AD-59AA7A8A6290	Hedwig	Gilbert	GE84848451582810541526	Neque Tellus Imperdiet Corp.	
	FCE2AB9A-271D-2BDC-9E49-8DD92A373391	Hakeem	Alford	MD1234119525145401270486	Nunc Interdum Incorporated	
	FBD7E0D6-BA6B-F5BC-0CA9-EA4B8760100C	Hedwig	Gilbert	MU413233344453432541344788855	Mauris Id Inc.	
	FAC76A80-8448-69AA-E892-426C2F12621C	Slade	Poole	MT05JWCF58868200575771634583813	Arcu LLP	
	FAAD3FFC-1A17-E141-43D3-359A5BA7CB3B	Hedwig	Gilbert	GE9015792884338134463	Lorem Eu Incorporated	
	FA053936-75D8-85FA-490D-9B624E1B920A	Hedwig	Gilbert	GT02497653655330848247645975	Non Justo Corp.	
	F85A7D75-2778-9D75-D776-3F41A828DE88	Sarah	Beck	VG1468087984174645729577	Ut Semper Foundation	
	F843DC08-CCB5-2444-1B4E-5966289FBA8B	Jasper	Landry	VG1468087984174645729577	Ut Semper Foundation	
	F5ACD74B-4275-5AA1-2414-6EF417636B98	Nora	Reeves	MD1234119525145401270486	Nunc Interdum Incorporated	
	F56FCA4A-0039-9F64-7376-85632B91121B	Lynn	Riddle	CR7242477244335841535	Ut Semper Foundation	
	F55B3CE1-3379-E0BF-5AB9-6F4CC2C5479C	Sonya	McKee	EE541536644818872885	Arcu LLP	
	F4BCAE41-3B8E-EA8D-9C24-466F7CEB9F9A	Chester	Haynes	CY94263537405015481188625576	Malesuada PC	
	F2B3E645-2E6D-E891-9D05-33DBACE58DE4	Heather	Burks	SM6022751049715477062682363	Malesuada PC	
	F28E106B-5418-4667-9514-2E2A823ECC65	Hedwig	Gilbert	RO76DAFO6583348580208155	Pede Ultrices Ltd	
	F233E386-5A74-63B3-8111-09FC9BA38011	Nero	Mills	HU95215627749276573565556322	Arcu LLP	
	F22B8361-E3CD-BC41-DD6A-A4694F175CD8	Aiko	Chaney	MD5723087436783068347555	Non Institute	
	F1A598A2-86C5-50A9-F1CE-FB1D69866C39	Craig	Shepherd	TR301950312213576817638661	Lorem Eu Incorporated	
	EFEECC2E-2A69-AB33-D599-E82AA689E3B3	Alika	Kinney	TR301950312213576817638661	Lorem Eu Incorporated	
	EF9E08A9-457D-D7C1-41E4-059B31C35CEC	Cassandra	Ferguson	DO68192976973138848171352176	Ut Semper Foundation	
	EEAAE515-66B6-B449-5926-54D397988AD9	Ocean	Nelson	AE640696354928782425103	Et Magnis Ltd	

InformeTecnico 2

Action Output

	Time	Action
✓ 1	23:32:54	CREATE VIEW InformeTecnico AS SELECT t.id AS id_transaccion, u.name AS nombre_usuario, u.surname as apellido_usuario, cc.iban, c.company_n
✓ 2	23:35:43	select * from InformeTecnico LIMIT 0, 1000