

# Nivell 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 ingessis la informació del document denominat "dades\_introduir\_credit". Recorda mostrar el diagrama i realitzar una breu descripció d'aquest.

En la misma base de datos "transactions" que ya hemos tenido creamos una nueva tabla "credit\_card" con el primary key en el campo "id" que es un identificador único para cada tarjeta de crédito.

- **USE** transactions;

```
-- Creamos una nueva tabla
• ○ CREATE TABLE IF NOT EXISTS credit_card (
    id VARCHAR(15) PRIMARY KEY ,
    iban VARCHAR(50),
    pan VARCHAR(50),
    pin CHAR(4),
    cvv int,
    expiring_date varchar(10)
);
```

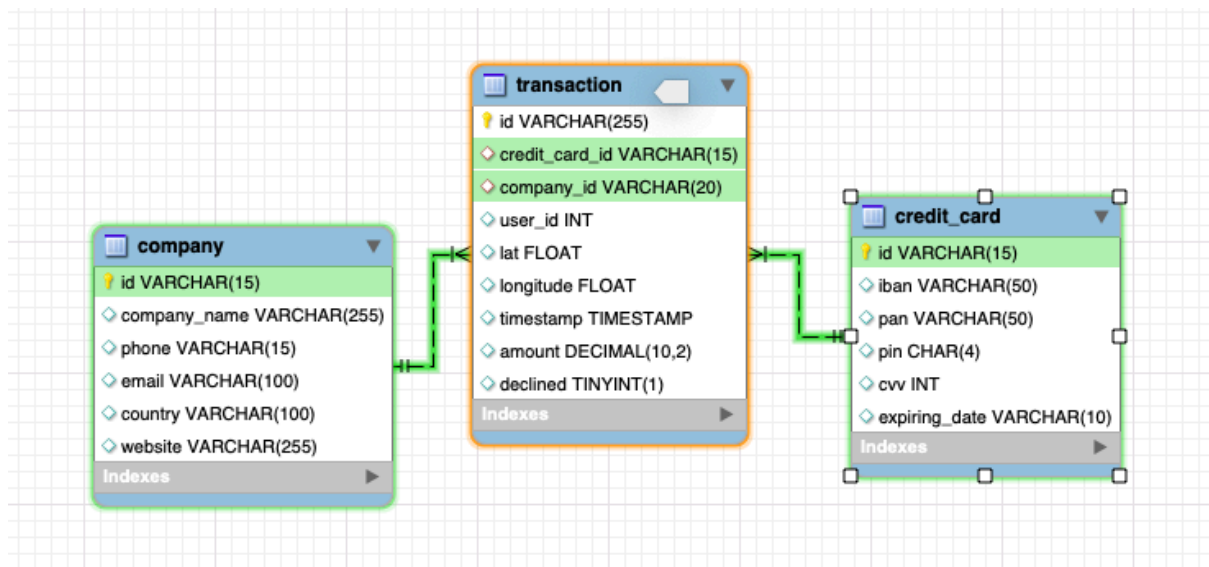
Establecemos una relación de tabla "credit\_card" con la tabla "transaction". Para ello deshabilitamos temporalmente la comprobación de foreign key. Añadimos la foreign key a la tabla "transaction" con la referencia al id de la tabla "credit\_card". La relación establecida es uno a muchos, es decir, con un credit\_card.id pueden existir una o muchas transacciones.

```
SET FOREIGN_KEY_CHECKS=0;
```

```
ALTER TABLE transaction
ADD FOREIGN KEY (credit_card_id) REFERENCES credit_card(id) ;
```

Ejecutado con éxito.

✓	2...	12:20:11	USE transactions	0 row(s) affected
✓	2...	12:20:11	CREATE TABLE IF NOT EXISTS credit_card ( id VARCHAR(15) PRIMARY KEY , iban VARCHA...	0 row(s) affected
✓	2...	12:20:11	SET FOREIGN_KEY_CHECKS=0	0 row(s) affected
✓	2...	12:20:11	ALTER TABLE transaction ADD FOREIGN KEY (credit_card_id) REFERENCES credit_card(id)	0 row(s) affected Rec



Luego insertamos los datos de credit\_card del archivo "datos\_introducir\_credit.sql"

```
-- Insertamos datos de credit_card
INSERT INTO credit_card (id, iban, pan, pin, cvv, expiring_date) VALUES (
INSERT INTO credit_card (id, iban, pan, pin, cvv, expiring_date) VALUES (
INSERT INTO credit_card (id, iban, pan, pin, cvv, expiring_date) VALUES (
INSERT INTO credit_card (id, iban, pan, pin, cvv, expiring_date) VALUES (
INSERT INTO credit_card (id, iban, pan, pin, cvv, expiring_date) VALUES (
INSERT INTO credit_card (id, iban, pan, pin, cvv, expiring_date) VALUES (
INSERT INTO credit_card (id, iban, pan, pin, cvv, expiring_date) VALUES (
```

Y comprobamos que han cargado correctamente 275 registros.

1 •

SELECT \* FROM transactions.credit\_card;

100%

1:1

Result Grid

Filter Rows:

Edit:

Export/Import:

Result Grid

Form Editor

Field Types

id	iban	pan	pin	cvv	expiring_date
CcU-3071	NO8923814763512	3464 789562 23352	6625	661	12/20/23
CcU-3078	IS025127145884623279548733	4539 322 74 2377	9405	720	03/08/23
CcU-3085	BE63114723972437	5266 3346 1135 1687	7241	413	05/10/23
CcU-3092	RO65LSOD1166122125447487	3488 754223 46253	9417	594	12/19/22
CcU-3099	PT26105275356823705537218	448 55418 98863 789	5612	564	01/22/23
CcU-3106	AT684251637751136592	349547146395283	9733	209	01/27/24
CcU-3113	IE26LCGT47732173572752	341834822877471	9011	287	06/12/21
CcU-3120	RS72655766666166237144	527646 533375 6577	7658	265	01/16/21
CcU-3127	PT83533461438644342816864	4716 443 46 4368	8038	924	01/16/23
CcU-3134	BG23MYJQ52668951824779	5146 3453 9766 2168	7260	935	08/24/25
CcU-3141	CH4437804777669672438	3775 626726 45261	2923	330	05/11/24

credit\_card 1

Apply

Revert

Action Output

2...

Time

Action

Response

Duration / Fetch Time

✓	2...	12:25:55	INSERT INTO credit_...	1 row(s) affected	0.00072 sec
✓	2...	12:25:55	INSERT INTO credit_...	1 row(s) affected	0.00059 sec
✓	2...	12:25:55	INSERT INTO credit_...	1 row(s) affected	0.00091 sec
✓	2...	12:25:55	INSERT INTO credit_...	1 row(s) affected	0.00069 sec
✓	2...	12:25:55	INSERT INTO credit_...	1 row(s) affected	0.00065 sec
✓	2...	12:26:05	SELECT * FROM tran...	275 row(s) returned	0.0030 sec / 0.00012...

## - 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.

Primero comprobamos que numero de cuenta tiene el usuario CcU-2938 en el sistema

```
1 • SELECT *
2 FROM transactions.credit_card
3 where id='CcU-2938';
4
5
```

100% 1:5

Result Grid Filter Rows: Search Edit: Export

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

Luego lo corregimos y comprobamos que el número ha cambiado y es igual al R323456312213576817699999

```
5 • UPDATE transactions.credit_card
6 SET iban = 'R323456312213576817699999'
7 WHERE id = 'CcU-2938';
8
9 • SELECT *
10 FROM transactions.credit_card
11 where id='CcU-2938';
12
```

100% 1:12

Result Grid Filter Rows: Search Edit: Export

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

## - Exercici 3

En la taula "transaction" ingressa un nou usuari amb la següent informació:

Id	108B1D1D-5B23-A76C-55EF-C568E49A99DD
credit_card_id	CcU-9999
company_id	b-9999
user_id	9999
lat	829.999
longitude	-117.999
amount	111.11
declined	0

Insertamos un registro nuevo en la tabla "transaction" siempre comprobando que no existía antes.

También tenemos que incluir este nuevo cliente a las tablas de dimensiones "company" y "credit\_card". En una situación real preguntamos a los compañeros los datos adicionales para rellenar los campos de otras dos tablas (de momento les pongo nulls)

```
• INSERT INTO transaction (id, credit_card_id, company_id, user_id, lat, longitude, amount, declined)
  SELECT '108B1D1D-5B23-A76C-55EF-C568E49A99DD', 'CcU-9999', 'b-9999', '9999', 829.999, -117.999, 111.11, 0
 WHERE NOT EXISTS (
   SELECT 1 FROM transaction
   WHERE id = '108B1D1D-5B23-A76C-55EF-C568E49A99DD'
 );

• INSERT INTO company (id,company_name,phone,email,country,website)
  SELECT 'b-9999', null, null, null, null, null
 WHERE NOT EXISTS (
   SELECT 1 FROM company
   WHERE id = 'b-9999'
 );

• INSERT INTO credit_card (id, iban, pan, pin, cvv, expiring_date)
  SELECT 'CcU-9999', null, null, null, null, null
 WHERE NOT EXISTS (
   SELECT 1 FROM credit_card
   WHERE id = 'CcU-9999'
 );
```

Se puede usar NOW() o CURRENT\_TIMESTAMP para insertar al campo timestamp la fecha actual.

Comprobamos los cambios

```

1 • SELECT * FROM transaction
2 WHERE id = '108B1D1D-5B23-A76C-55EF-C568E49A99DD'
3 ;
4
5 • SELECT * FROM company
6 WHERE id = 'b-9999'
7
8 ;
9
10 • SELECT * FROM credit_card
11 WHERE id = 'CcU-9999'
12 ;
13
14

```

100% 22:11

Result Grid



Filter Rows:

Edit:



Export/Import:



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

id	company_name	phone	email	country	website
▶ b-9999	NULL	NULL	NULL	NULL	NULL
NULL	NULL	NULL	NULL	NULL	NULL

id	iban	pan	pin	cvv	expiring_date
▶ CcU-9999	NULL	NULL	NULL	NULL	NULL
NULL	NULL	NULL	NULL	NULL	NULL

## - Exercici 4

Des de recursos humans et sol·liciten eliminar la columna "pan" de la taula credit\_card. Recorda mostrar el canvi realitzat.

Primero comprobamos que campos tiene la tabla credit\_card  
Y luego eliminamos el campo 'pan'

1 • **SELECT** \*  
2 **FROM** credit\_card  
3

100% 1:3

Result Grid Filter Rows:  Edit: Export

id	iban	pan	pin	cvv	expiring_c
CcU-2952	BG45IVQL52710525608255	4556 453 55 5287	4598	438	06/29/21
CcU-2959	CR7242477244335841535	372461377349375	3583	667	02/24/23
CcU-2966	BG72LKTQ15627628377363	448566 886747 7265	4900	130	10/29/24
CcU-2973	PT87806228135092429456346	544 58654 54343 384	8760	887	01/30/25
CcU-2980	DE39241881883086277136	402400 7145845969	5075	596	07/24/22
CcU-2987	GE89681434837748781813	3763 747687 76666	2298	797	10/31/23
CcU-2994	BH62714428368066765294	344283273252593	7545	595	02/28/22
CcU-3001	CY49087426654774581266832110	511722 924833 2244	9562	867	09/16/22
CcU-3008	LU507216693616119230	4485744464433884	1856	740	04/05/25
CcU-3015	PS119398216295715968342456821	3784 662233 17389	3246	822	01/31/22

315  
316 • **ALTER TABLE** credit\_card  
317 **DROP COLUMN** pan;

100% 1:316

Action Output

	Time	Action
	1474 23:20:34	ALTER TABLE credit_card DROP COLUMN pan

Campo 'pan' eliminado

```
1 • SELECT *
2 FROM credit_card
3
```

100%



1:3

Result Grid



Filter Rows:



Search

Edit:



id	iban	pin	cvv	expiring_date	
CcU-2952	BG45IVQL52710525608255	4598	438	06/29/21	
CcU-2959	CR7242477244335841535	3583	667	02/24/23	
CcU-2966	BG72LKTQ15627628377363	4900	130	10/29/24	
CcU-2973	PT87806228135092429456346	8760	887	01/30/25	
CcU-2980	DE39241881883086277136	5075	596	07/24/22	
CcU-2987	GE89681434837748781813	2298	797	10/31/23	
CcU-2994	BH62714428368066765294	7545	595	02/28/22	
CcU-3001	CY49087426654774581266832110	9562	867	09/16/22	
CcU-3008	LU507216693616119230	1856	740	04/05/25	
CcU-3015	PS119398216295715968342456821	3246	822	01/31/22	
CcU-3022	GT91695162850556977423121857	5610	342	04/25/25	

# Nivell 2

## Exercici 1

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

Primero comprobamos que la transacción con id =  
'02C6201E-D90A-1859-B4EE-88D2986D3B02' existe

```
1 • SELECT *
2 FROM transaction
3 WHERE id = '02C6201E-D90A-1859-B4EE-88D2986D3B02'
```

100% 50:3

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

id	credit_card_id	company_id	user_id	lat	longitude	timestamp	amount	declined
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

Eliminamos la transacción con id = '02C6201E-D90A-1859-B4EE-88D2986D3B02'

```
320 • DELETE FROM transaction
321 WHERE id = '02C6201E-D90A-1859-B4EE-88D2986D3B02'
```

100% 1:320

Action Output

	Time	Action	Response
✓ 14...	23:33:22	DELETE FROM transaction WHERE id = '02C6201E-D90A-1859-B4EE-88D298...	1 row(s) affected



Comprobamos que el registro fue eliminado.

```
1 • SELECT *
2 FROM transaction
3 WHERE id = '02C6201E-D90A-1859-B4EE-88D2986D3B02'
```

[illegible]

## 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.

Creemos una vista con el nombre "VistaMarketing"

```
CREATE VIEW VistaMarketing AS
SELECT
    c.company_name as Company,
    c.phone as Phone_Number,
    c.country as Country,
    ROUND(AVG(t.amount),2) as Avg_Transaction
FROM
    company c
JOIN
    transaction t ON c.id = t.company_id
WHERE declined=0
GROUP BY
    c.company_name, c.phone, c.country
;
```

Comprobamos que ha creado con éxito

```
SELECT * FROM transactions.vistamarketing
ORDER BY Avg_Transaction DESC;
```

Company	Phone_Number	Country	Avg_Transaction	
► Eget Ipsum Ltd	03 67 44 56 72	United States	481.86	
Sed Id Limited	07 28 18 18 13	United States	477.51	
Neque Tellus Incorporated	04 43 18 34 19	Ireland	477.10	
Nunc Sit Incorporated	07 28 42 63 63	Norway	461.83	
Non Magna LLC	06 71 73 13 17	United Kingdom	458.74	
Mæcenās Malesuada Fringilla Inc.	09 38 53 76 61	Netherlands	451.29	
Erat LLP	03 18 88 77 79	Netherlands	448.44	
Tortor Nunc Commodó Company	05 35 92 77 16	United States	447.11	
Justo Eu Arcu Ltd	08 42 56 71 52	Italy	444.16	
Pede Cum Ltd	07 62 26 48 38	Norway	442.32	
Vestibulum Lorem PC	02 02 87 33 40	Belgium	428.40	
Mauris Institute	05 29 60 36 87	Sweden	427.71	
Aliquet Diam Limited	02 76 61 47 46	United States	425.64	
Mus Aenean Eget Foundation	06 25 15 52 43	Sweden	419.97	
vistamarketing 2				

Action Output			
	Time	Action	Response
✓	2...	13:05:26	CREATE VIEW VistaMarketing AS SELECT c.company_name as Company, c.phone as Phone_Nu... 0 row(s) affected
✓	2...	13:05:26	SELECT * FROM transactions.vistamarketing 101 row(s) returned

### Exercici 3

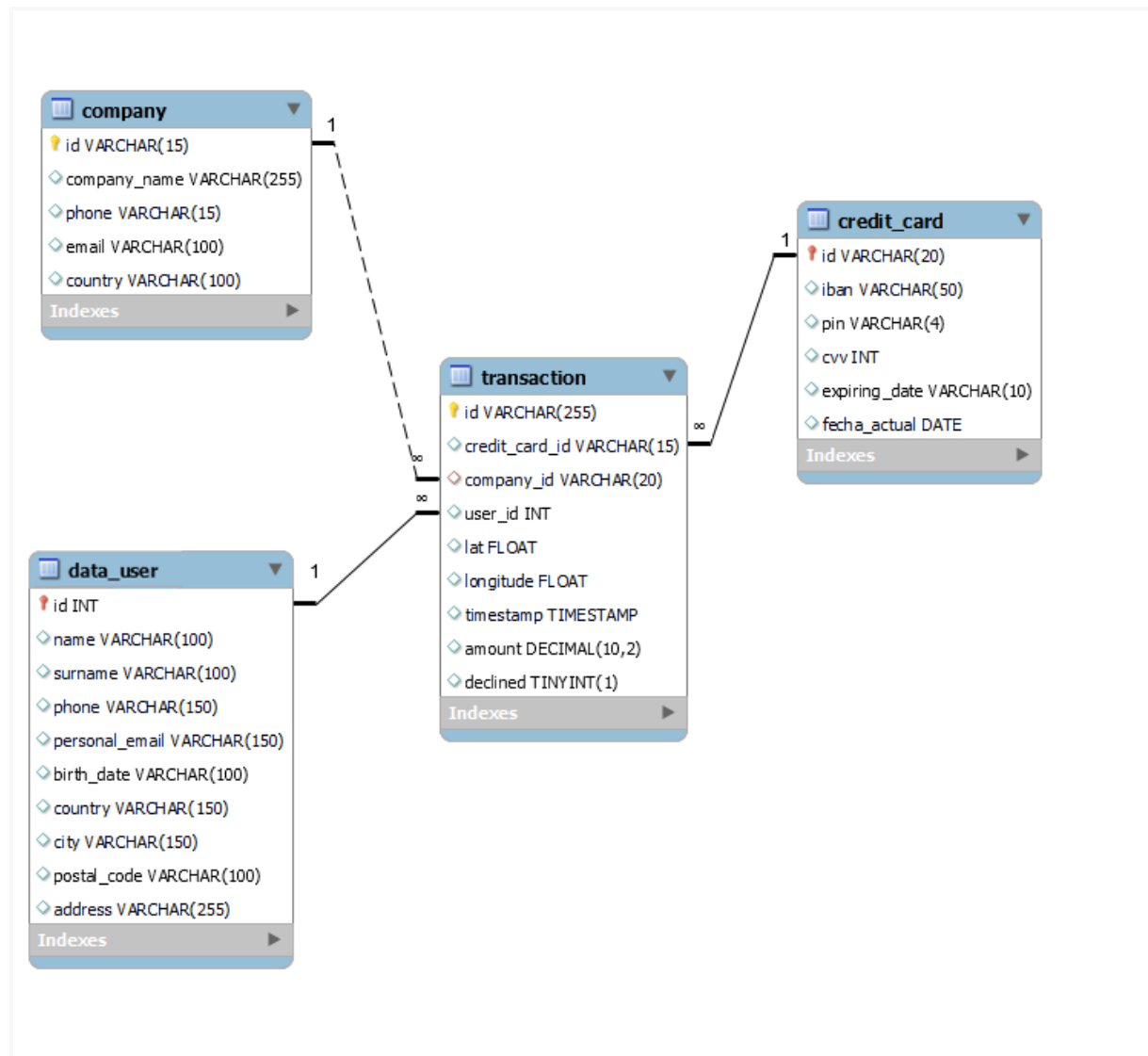
Filtra la vista VistaMarketing per a mostrar només les companyies que tenen el seu país de residència en "Germany"

[illegible]

## Nivell 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:



#### Recordatori

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 aquesta activitat hauràs de treballar amb els arxius denominats "estructura\_dades\_user" i "dades\_introduir\_user"

Con CREATE INDEX definimos un índice en la tabla “transaction”.  
Creamos la tabla user y luego establecemos su relación con la tabla transaction.

```

1      -- Creamos la tabla user
2
3 •   CREATE INDEX idx_user_id ON transaction(user_id);
4
5 •   CREATE TABLE IF NOT EXISTS user (
6       id INT PRIMARY KEY,
7       name VARCHAR(100),
8       surname VARCHAR(100),
9       phone VARCHAR(150),
10      email VARCHAR(150),
11      birth_date VARCHAR(100),
12      country VARCHAR(150),
13      city VARCHAR(150),
14      postal_code VARCHAR(100),
15      address VARCHAR(255)
16  );
17
18 •   SET foreign_key_checks = 0;
19
20 •   ALTER TABLE transaction
21      ADD FOREIGN KEY (user_id) REFERENCES user(id) ;
22
23 •   SET foreign_key_checks = 1;

```

✓	984	11:05:11	CREATE TABLE IF NOT EXISTS user ( id INT PRIMARY KEY, name VARCHAR(100), surn...	0 ro
✓	985	11:05:11	SET foreign_key_checks = 0	0 ro
✓	986	11:05:11	ALTER TABLE transaction ADD FOREIGN KEY (user_id) REFERENCES user(id)	0 ro

Insertamos los datos en la tabla user del archivo “datos\_introducir\_user (1).sql”

```

1 •   SET foreign_key_checks = 0;
2
3      -- Insertamos datos de user
4 •   INSERT INTO user (id, name, surname, phone, email, birth_date, country, city, postal_code, address) VALUES (
5 •   INSERT INTO user (id, name, surname, phone, email, birth_date, country, city, postal_code, address) VALUES (
6 •   INSERT INTO user (id, name, surname, phone, email, birth_date, country, city, postal_code, address) VALUES (
7 •   INSERT INTO user (id, name, surname, phone, email, birth_date, country, city, postal_code, address) VALUES (
8 •   INSERT INTO user (id, name, surname, phone, email, birth_date, country, city, postal_code, address) VALUES (
9 •   INSERT INTO user (id, name, surname, phone, email, birth_date, country, city, postal_code, address) VALUES (
10 •  INSERT INTO user (id, name, surname, phone, email, birth_date, country, city, postal_code, address) VALUES (
11 •  INSERT INTO user (id, name, surname, phone, email, birth_date, country, city, postal_code, address) VALUES (
12 •  INSERT INTO user (id, name, surname, phone, email, birth_date, country, city, postal_code, address) VALUES (
13 •  INSERT INTO user (id, name, surname, phone, email, birth_date, country, city, postal_code, address) VALUES (
14 •  INSERT INTO user (id, name, surname, phone, email, birth_date, country, city, postal_code, address) VALUES (
15 •  INSERT INTO user (id, name, surname, phone, email, birth_date, country, city, postal_code, address) VALUES (
16 •  INSERT INTO user (id, name, surname, phone, email, birth_date, country, city, postal_code, address) VALUES (
17 •  INSERT INTO user (id, name, surname, phone, email, birth_date, country, city, postal_code, address) VALUES (
18 •  INSERT INTO user (id, name, surname, phone, email, birth_date, country, city, postal_code, address) VALUES (
19 •  INSERT INTO user (id, name, surname, phone, email, birth_date, country, city, postal_code, address) VALUES (
20 •  INSERT INTO user (id, name, surname, phone, email, birth_date, country, city, postal_code, address) VALUES (
21 •  INSERT INTO user (id, name, surname, phone, email, birth_date, country, city, postal_code, address) VALUES (
22 •  INSERT INTO user (id, name, surname, phone, email, birth_date, country, city, postal_code, address) VALUES (

```

Comprobamos que la tabla “user” ha creado con éxito, tiene 275 registros y se relaciona con la tabla transaction correctamente.

1 • **SELECT \* FROM transactions.user;**

100% 1:1

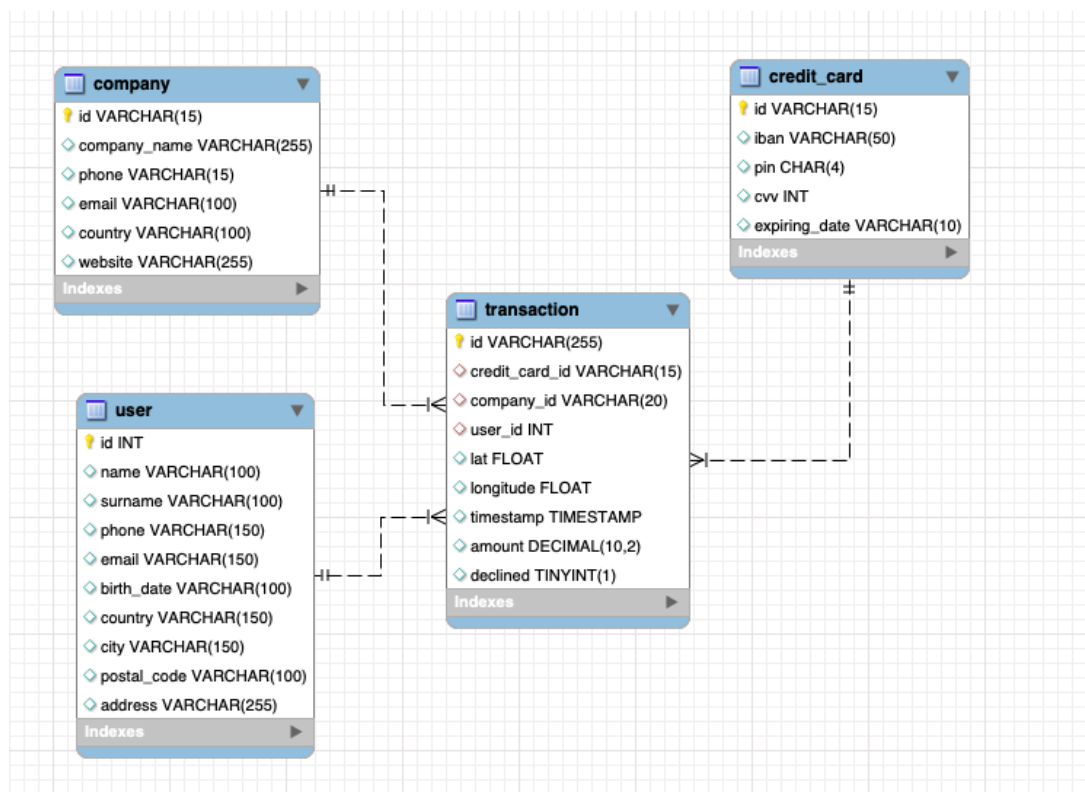
**Result Grid** Filter Rows: Search Edit: Export/Import

id	name	surname	phone	email	birth_date	count
1	Zeus	Gamble	1-282-581-0551	interdum.enim@protonmail.edu	Nov 17, 1985	United
2	Garrett	Mcconnell	(718) 257-2412	integer.vitae.nibh@protonmail.org	Aug 23, 1992	United
3	Ciaran	Harrison	(522) 598-1365	interdum.feugiat@aol.org	Apr 29, 1998	United
4	Howard	Stafford	1-411-740-3269	ornare.egestas@icloud.edu	Feb 18, 1989	United
5	Hayfa	Pierce	1-554-541-2077	et.malesuada.fames@hotmail.org	Sep 26, 1998	United
6	Joel	Tyson	(718) 288-8020	gravidam.nunc.sed@yahoo.ca	Oct 15, 1989	United
7	Rafael	Jimenez	(817) 689-0478	eget@outlook.ca	Dec 4, 1981	United
8	Nissim	Franks	(692) 157-3469	egestas.aliquam.fringilla@google.ca	Aug 1, 1993	United
9	Mannix	Mcclain	(590) 883-2184	aliquam.nisl@outlook.com	Jan 24, 1987	United
10	Robert	Mccarthy	(324) 746-6771	fermentum@protonmail.com	Apr 30, 1984	United
11	Joan	Baird	(981) 429-8106	et@outlook.net	Feb 25, 1990	United
12	Benedict	Wheeler	1-515-824-2855	tincidunt.donec.vitae@hotmail.couk	Aug 6, 1999	United
13	Allegra	Stanton	1-927-753-6488	proin.eget@protonmail.ca	May 19, 1990	United
14	Sara	Flynn	1-311-646-9333	integer@outlook.net	Dec 27, 1988	United
15	Noelani	Patrick	1-723-488-5894	sem.magna@google.com	Sep 17, 1993	United

user 1

**Action Output**

	Time	Action	Response
✓	2...	13:17:04	INSERT INTO user (id... 1 row(s) affected
✓	2...	13:17:04	INSERT INTO user (id... 1 row(s) affected
✓	2...	13:17:04	INSERT INTO user (id... 1 row(s) affected
✓	2...	13:17:04	INSERT INTO user (id... 1 row(s) affected
✓	2...	13:17:04	SET foreign_key_che... 0 row(s) affected
✓	2...	13:17:30	SELECT * FROM tran... 275 row(s) returned



Notamos que hay unas diferencias entre el diagrama que hizo nuestro compañero y el nuestro. Así que hacemos unos cambios.

Renombramos la tabla "user" a "data\_user"

```
ALTER TABLE user RENAME TO data_user;
```

Renombramos el campo "email" a "personal\_email"

```
ALTER TABLE data_user RENAME COLUMN email TO personal_email;
```

Table: **data\_user**

Columns:

<u>id</u>	int PK
name	varchar(100)
surname	varchar(100)
phone	varchar(150)
personal_email	varchar(150)
birth_date	varchar(100)
country	varchar(150)
city	varchar(150)
postal_code	varchar(100)
address	varchar(255)

Cambiamos la longitud permitida para el campo id de la tabla credit\_card de 15 a 20 símbolos.

```
ALTER TABLE credit_card modify id varchar(20);
```

Añadimos el campo "fecha\_actual" a la tabla "credit\_card"

```
ALTER TABLE credit_card add column fecha_actual date;
```

Table: **credit\_card**

Columns:

<u>id</u>	varchar(20) PK
iban	varchar(50)
pin	char(4)
cvv	int
expiring_date	varchar(10)
fecha_actual	date

Eliminamos columna "website" de la tabla "company"

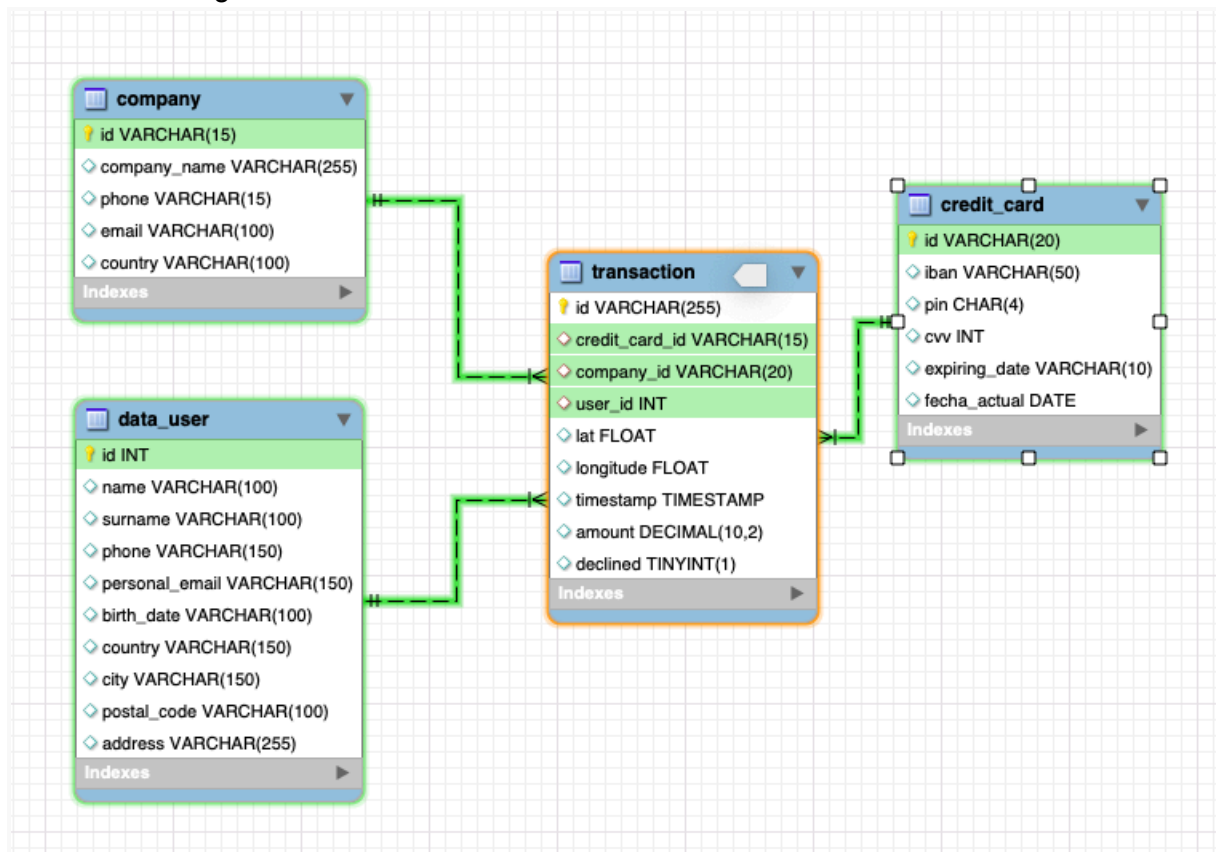
```
ALTER TABLE company drop column website;
```

Table: **company**

Columns:

<u>id</u>	varchar(15) PK
company_name	varchar(255)
phone	varchar(15)
email	varchar(100)
country	varchar(100)

Creemos un diagrama EER final



## 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.

Creemos una vista con el nombre InformeTecnico y campos mencionados en la tarea. Para esto montamos una query donde usamos todas los "id" de la tabla transaction y les añadimos analíticas de otras tablas (si las tienen).



2 • CREATE VIEW InformeTecnico AS

3 SELECT

4 t.id as 'ID de la transacció',

5 u.name as 'Nombre usuario',

6 u.surname as 'Apellido usuario',

7 cc.iban as 'IBAN',

8 c.company\_name as 'Nombre compañía'

9 FROM transaction t

10 LEFT OUTER JOIN company c ON c.id = t.company\_id

11 LEFT OUTER JOIN credit\_card cc ON cc.id = t.credit\_card\_id

12 LEFT OUTER JOIN data\_user u ON u.id = t.user\_id

13 ;

14

15 SELECT \* FROM transactions.InformeTecnico

16 ORDER BY 'ID de la transacció' DESC

17 ;

18

100% 1:19

Result Grid

Filter Rows: Search

Export:

ID de la transacció	Nombre usuario	Apellido usar...	IBAN	Nombre compañía
0466A42E-47CF-8D24-FD01-C0B689713128	William	Benjamin	MD1234119525145401270486	Nunc Interdum Incorporated
063FBA79-99EC-66FB-29F7-25726D1764A5	Kenyon	Hartman	GE89681434837748781813	Amet Nulla Donec Corporation
0668296C-CDB9-A883-76BC-2E4C44F8C8AE	Chloe	Keith	BA542358041365401657	Non Institute
06CD9AA5-9B42-D684-DDDD-A5E394FEBA99	Lynn	Riddle	CR7242477244335841535	Ut Semper Foundation
07A46D48-31A3-7E87-65B9-0DA902AD109F	Hedwig	Gilbert	FI9398462343991818	Lacus Quisque Associates
09DE92CE-6F27-2BB7-13B5-9385B2B3B8E2	Kenyon	Hartman	NO8923814763512	Elit Etiam Laoreet Associates
0A476ED9-0C13-1962-F87B-D3563924B539	Sasha	Emerson	PK1842602717357586645371	Nunc Interdum Incorporated
0BEB80B7-9D66-1707-CE4B-9DC7E71914B5	Hedwig	Gilbert	CH4437804777669672438	Magna Incorporated
0C7C3A33-9947-3BC1-846D-7BE3D0D17598	Hedwig	Gilbert	CR2081908447841410311	Tristique Neque Venenatis Institute
0CE957A6-CCAA-2B7A-6839-8A4B1B324853	Haley	Fitzpatrick	LV78EROL4956681623444	Sapient Nunc Pulvinar LLP
0DD2E608-5C9E-D1B3-4999-B99F43AD735A	Kenyon	Hartman	CR7242477244335841535	Convallis In Incorporated
1017A4E9-3D5E-7A4C-1882-D151A8D1FA0A	Kenyon	Nelson	CY042153714905187371239	Non Institute

InformeTecnico 1

Action Output

	Time	Action	Response
✓ 2...	13:45:24	CREATE VIEW InformeTecnico AS SELECT t.id as 'ID de la transacció', u.name as 'Nombre usua...	0 row(s) affected
✓ 2...	13:45:24	SELECT * FROM transactions.InformeTecnico ORDER BY 'ID de la transacció' DESC	587 row(s) returned