

Sprint 3: Gestió de taules, índex i vistes

Nivell 1

Exercici 1

```
CREATE TABLE IF NOT EXISTS credit_card (  
    id VARCHAR(255) PRIMARY KEY,  
    iban VARCHAR(255) NULL,  
    pan VARCHAR(255) NULL,  
    pin INT,  
    cvv INT,  
    expiring_date VARCHAR(255) NULL  
);
```

```
select * from credit_card;
```

	id	iban	pin	cvv	expiring_date
▶	CcU-2938	R323456312213576817699999	3257	984	10/30/22
	CcU-2945	DO26854763748537475216568689	9080	887	08/24/23
	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	RH67714478368066765294	7545	595	07/28/22

credit_card 17 x

Output

Action Output

#	Time	Action	Message
✓ 318	12:57:20	SELECT * from transactions.vistamarketing WHERE country = 'Germany' LIMIT 0, 1000	8 row(s) returned
✓ 319	13:02:08	SELECT * FROM transactions.infometecnico ORDER BY id DESC LIMIT 0, 1000	587 row(s) returned
✓ 320	13:03:20	SELECT * from transaction Where id = '108B1D1D-5B23-A76C-55EF-C568E49A99DD' LIMIT 0, 1000	1 row(s) returned
✓ 321	13:04:45	SELECT * from transaction Where id = '108B1D1D-5B23-A76C-55EF-C568E49A99DD' LIMIT 0, 1000	1 row(s) returned
✓ 322	13:17:57	select * from credit_card LIMIT 0, 1000	275 row(s) returned

Exercici 2

- ```
UPDATE credit_card
SET iban = "R323456312213576817699999"
WHERE id = "CcU-2938";
```
- ```
SELECT iban from credit_card  
WHERE id = "CcU-2938";
```

Result Grid	Filter Rows:
iban	
▶ R323456312213576817699999	

Nil Regidor Vivas
DA especialització

Exercici 3

```

/ EXERCISE 1 /
INSERT INTO company(id) VALUES('b-9999');

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);

SELECT * from transaction
Where id = '108B1D1D-5B23-A76C-55EF-C568E49A99DD';

```

[illegible]

Exercici 4

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

```
SELECT * FROM credit_card;
```

Result Grid		Filter Rows:	Edit:	Export/Import
id	iban	pin	cvv	expiring_date
CcU-2938	R323456312213576817699999	3257	984	10/30/22
CcU-2945	DO26854763748537475216568689	9080	887	08/24/23
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

Nivell 2

Exercici 1

- `DELETE FROM transaction`
`WHERE id = '02C6201E-D90A-1859-B4EE-88D2986D3B02';`
- `SELECT * from transaction`
`Where id = '02C6201E-D90A-1859-B4EE-88D2986D3B02';`

[illegible]

Exercici 2

```
CREATE VIEW VistaMarketing AS
SELECT c.company_name, c.phone, c.country, avg(t.amount)
FROM company AS c
LEFT JOIN transaction as t
ON c.id = t.company_id
GROUP BY c.company_name, c.phone, c.country
ORDER BY avg(t.amount) DESC;
```

```
SELECT * from transactions.vistamarketing;
```

	company_name	phone	country	avg(t.amount)
►	Eget Ipsum Ltd	03 67 44 56 72	United States	473.075000
	Non Magna LLC	06 71 73 13 17	United Kingdom	468.345000
	Sed Id Limited	07 28 18 18 13	United States	461.210000
	Justo Eu Arcu Ltd	08 42 56 71 52	Italy	443.635000
	Eget Tincidunt Dui Institute	05 35 93 32 44	Netherlands	442.520000
	Viverra Donec Foundation	03 33 12 32 73	United Kingdom	442.280000
	Vestibulum Lorem PC	02 02 87 33 40	Belgium	434.060000
	Aliquet Diam Limited	02 76 61 47 46	United States	425.640000

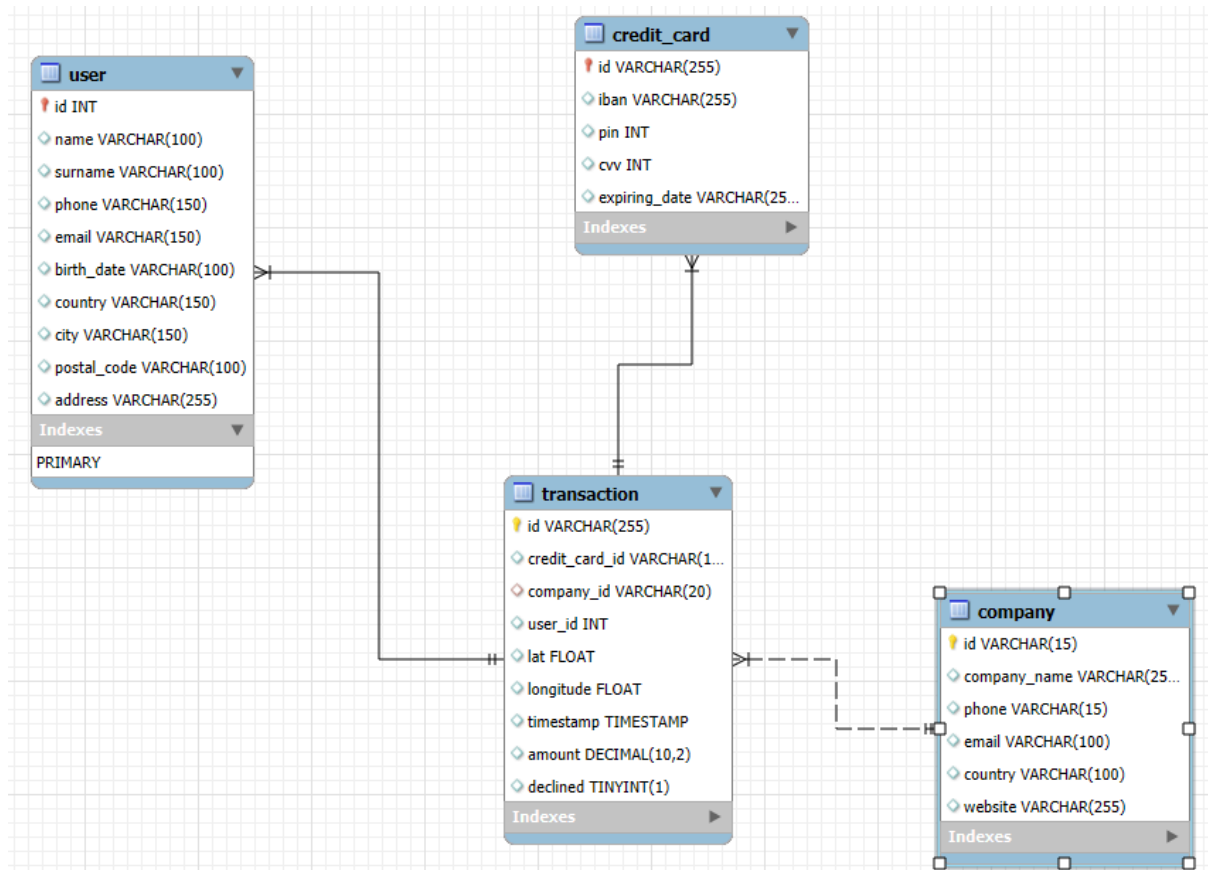
Exercici 3

```
SELECT * from transactions.vistamarketing
WHERE country = 'Germany';
```

	company_name	phone	country	avg(t.amount)
	Aliquam PC	01 45 73 52 16	Germany	385.265000
	Ac Industries	09 34 65 40 60	Germany	289.645000
	Rutrum Non Inc.	02 66 31 61 09	Germany	266.900000
	Nunc Interdum Incorporated	05 18 15 48 13	Germany	244.025238
	Augue Foundation	06 88 43 15 63	Germany	240.800000
	Ac Fermentum Incorporated	06 85 56 52 33	Germany	206.465000
	Auctor Mauris Corp.	05 62 87 14 41	Germany	184.310000
	Convallis In Incorporated	06 66 57 29 50	Germany	156.730000

Nivell 3

Exercici 3



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

Per aquesta activitat la complicació va venir per part de la taula company, ja que a l'hora de crear-la no vaig posar la foreing key i, per tant, no sortia connectada amb transaction. Per solucionar-ho vaig haver de modificar la taula i afegir la referència de la foreing key.

Exercici 2

```
CREATE VIEW InformeTecnico as
SELECT t.id, u.name, u.surname, c.iban, co.company_name
FROM transaction as t
LEFT JOIN user as u
ON t.user_id = u.id
LEFT JOIN credit_card as c
ON t.credit_card_id = c.id
LEFT JOIN company as co
ON t.company_id = co.id;

SELECT * FROM transactions.informetecnico
ORDER BY id DESC;
```

	id	name	surname	iban	company_name
►	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
	FBD7E0D6-8A6B-F5BC-0CA9-EA4B8760100C	Hedwig	Gilbert	MU4132333444534342541344788855	Mauris Id Inc.
	FAC76A80-8448-69AA-E892-426C2F12621C	Slade	Poole	MT05JWCF58868200575771634583813	Arcu LLP
	FAAD3FFC-1A17-F141-43D3-359A5BA7CB3B	Hedwin	Gilbert	GF90157928843338134463	Lorem Fu Incorporated

informetecnico 1 x