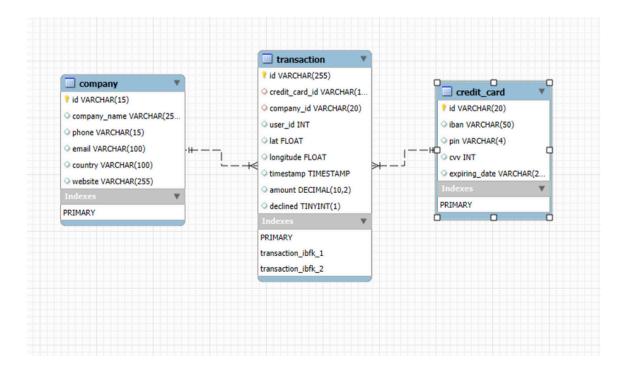
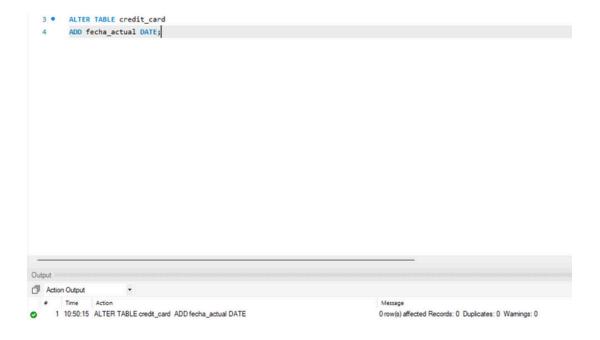


Ejercicio 1

La próxima semana tendrás una nueva reunión con los gerentes de marketing. Un compañero de tu equipo realizó modificaciones en la base de datos, pero no recuerda cómo las realizó. Te pide que le ayudes a dejar los comandos ejecutados para obtener el siguiente diagrama:



Agregar columna "fecha_actual" a la tabla credit_card



Eliminar columna "website" de la tabla company

Crear tabla user

```
-- Creamos la tabla user
  13
  14 •
         CREATE INDEX idx_user_id ON transaction(user_id);
 15
  16 ● ⊖ CREATE TABLE IF NOT EXISTS user (
                 id INT PRIMARY KEY,
 17
  18
                  name VARCHAR(100),
  19
                  surname VARCHAR(100),
 20
                  phone VARCHAR(150),
                  email VARCHAR(150),
  22
                  birth date VARCHAR(100).
  23
                  country VARCHAR(150),
                  city VARCHAR(150),
  24
  25
                  postal_code VARCHAR(100),
                  address VARCHAR(255),
  26
 27
                  FOREIGN KEY(id) REFERENCES transaction(user_id)
  28
  29
Output :
Action Output
    1 12:55:59 CREATE INDEX idx_user_id ON transaction(user_id)
                                                                                          0 row(s) affected Records: 0 Duplicates: 0 Warnings: 0
2 12:56:03 CREATE TABLE IF NOT EXISTS user ( id INT PRIMARY KEY, name VARCHAR(100), ... 0 row(s) affected
```

Cargar los datos en la tabla user

```
INSERT INTO user (id, name, surname, phone, email, birth_date, country, city, postal_code, address) VALUES (
                                                                                                                                         "261", "Violet", "Weber", "019-661-3744'
          INSERT INTO user (id, name, surname, phone, email, birth_date, country, city, postal_code, address) VALUES (
                                                                                                                                         "262", "Brett", "Kirby", "076-166-2169",
 297 •
          INSERT INTO user (id, name, surname, phone, email, birth_date, country, city, postal_code, address) VALUES (
                                                                                                                                         "263", "Ima", "Hendricks", "065-953-879!
298 •
         INSERT INTO user (id, name, surname, phone, email, birth_date, country, city, postal_code, address) VALUES (
                                                                                                                                         "264", "Keiko", "Guerra", "034-741-6314'
299 •
         INSERT INTO user (id, name, surname, phone, email, birth_date, country, city, postal_code, address) VALUES (
                                                                                                                                         "265", "Chloe", "Keith", "022-178-1548";
 300 •
         INSERT INTO user (id, name, surname, phone, email, birth_date, country, city, postal_code, address) VALUES (
                                                                                                                                         "266", "Aiko", "Chaney", "026-660-1876",
 301 .
          INSERT INTO user (id, name, surname, phone, email, birth_date, country, city, postal_code, address) VALUES (
                                                                                                                                         "267", "Ocean", "Nelson", "079-481-2745"
 302 .
         INSERT INTO user (id, name, surname, phone, email, birth_date, country, city, postal_code, address) VALUES (
                                                                                                                                         "268", "Clark", "Olson", "029-086-1867";
 303 ●
          INSERT INTO user (id, name, surname, phone, email, birth_date, country, city, postal_code, address) VALUES (
                                                                                                                                         "269", "Haley", "Fitzpatrick", "055-871-
 304 •
         INSERT INTO user (id, name, surname, phone, email, birth_date, country, city, postal_code, address) VALUES (
                                                                                                                                         "270", "Elton", "Roberson", "096-325-516
 305 •
          INSERT INTO user (id, name, surname, phone, email, birth_date, country, city, postal_code, address) VALUES (
                                                                                                                                         "271", "Leandra", "Cherry", "089-285-70:
                                                                                                                                         "272", "Hedwig", "Gilbert", "064-204-878
 306 •
        INSERT INTO user (id, name, surname, phone, email, birth_date, country, city, postal_code, address) VALUES (
 307 • INSERT INTO user (id, name, surname, phone, email, birth_date, country, city, postal_code, address) VALUES (
                                                                                                                                         "273", "Hilary", "Ferguson", "060-710-16
        INSERT INTO user (id, name, surname, phone, email, birth_date, country, city, postal_code, address) VALUES (
 308 •
                                                                                                                                         "274", "Jameson", "Hunt", "024-732-2321"
                                                                                                                                         "275", "Kenyon", "Hartman", "082-871-724
 309 •
         INSERT INTO user (id, name, surname, phone, email, birth_date, country, city, postal_code, address) VALUES (
310
 311 •
        SET foreign_key_checks = 1;
312
Output :::
Action Output

    274 13:01:33 INSERT INTO user (id., name, sumame, phone, email, birth_date, country, city, postal_code, addr... 1 row(s) affected

                                                                                                                                                                    0.000 sec
   275 13:01:33 INSERT INTO user (id., name, sumame, phone, email, birth_date, country, city, postal_code, addr... 1 row(s) affected
                                                                                                                                                                    0.000 sec
   276 13:01:33 INSERT INTO user (id., name, sumame, phone, email, birth_date, country, city, postal_code, addr... 1 row(s) affected
                                                                                                                                                                    0.016 sec
    277 13:01:33 INSERT INTO user (id., name, sumame, phone, email, birth_date, country, city, postal_code, addr... 1 row(s) affected
                                                                                                                                                                    0.000 sec
                                                                                                                                                                    0.000 sec
    278 13:01:33 INSERT INTO user (id., name, sumame, phone, email, birth_date, country, city, postal_code, addr... 1 row(s) affected
    279 13:01:33 INSERT INTO user (id., name, sumame, phone, email, birth_date, country, city, postal_code, addr... 1 row(s) affected
                                                                                                                                                                    0.000 sec
   280 13:01:33 INSERT INTO user (id., name, sumame, phone, email, birth_date, country, city, postal_code, addr... 1 row(s) affected
                                                                                                                                                                    0.000 sec

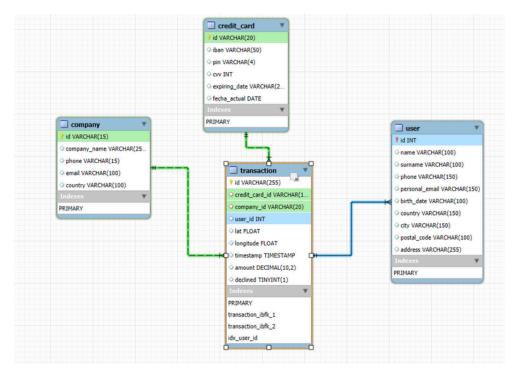
    281 13:01:33 SET foreign_key_checks = 1

                                                                                                                                                                    0.000 sec
```

Renombrar columna email en tabla user



La clave foranea con tabla user esta mal codificada en el archivo "estructura_datos_user"



Elimino la clave foranea erronea

```
322 -- Elimino clave foranea mal creada
323 • ALTER TABLE user
324 DROP FOREIGN KEY user_ibfk_1;
325
326
327

Output

Action Output

Time Action

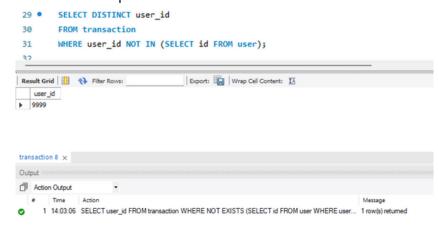
1 11:45:58 ALTER TABLE user DROP FOREIGN KEY user_ibfk_1

Orow(s) affected Records: 0 Duplicates: 0 Warnings: 0
```

Creo la foranea correcta con tabla transaction



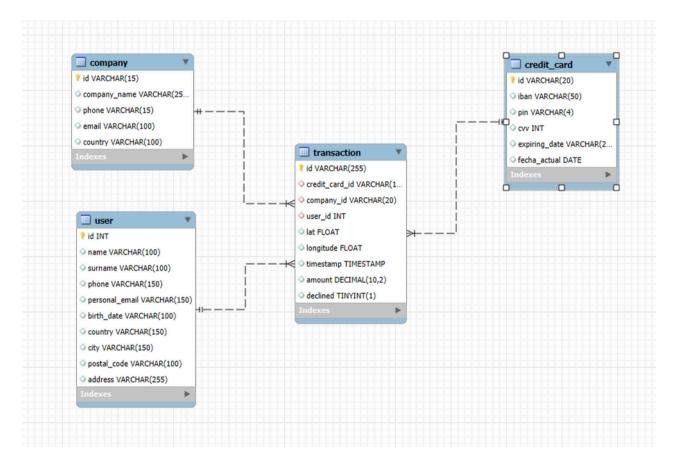
Usuarios en la tabla transaction que no estan en la tabla user



Inserto el valor que no existe en la tabla user. Tambien podria haer optado por eliminar este valor.



Diagrama luego de las modificaciones en la base de datos



Ejercicio 2

La empresa también te solicita crear una vista llamada "InformeTecnico" que contenga la siguiente información:

ID de la transacción

Nombre del usuario/a

Apellido del usuario/a

IBAN de la tarjeta de crédito usada.

Nombre de la compañía de la transacción realizada.

Asegúrate de incluir información relevante de ambas tablas y utiliza alias para cambiar de nombre columnas según sea necesario.

Muestra los resultados de la vista, ordena los resultados de forma descendente en función de la variable ID de transacción.

```
-- Crear vista para Marketing
4 • CREATE VIEW InformeTecnico AS
       SELECT company.company_name Compania, company.country Pais, transaction.id Transaction_ID, transaction.amount, user.name Nombre_Usuario, user.surname Apelli
      FROM transaction
       JOIN company ON company.id = transaction.company_id
8
       JOIN credit_card ON credit_card.id = transaction.credit_card_id
9
      JOIN user ON user.id = transaction.user id
      WHERE declined = '0'
10
11
      ORDER BY transaction.id DESC:
12
13 •
      SELECT * FROM transactions.vistamarketing;
14
```



Como decia el enunciado, agregue mas datos (pais de la compania, monto de la transaccion y que se haya realizado) para tener mas informacion relevante.

Resultado de la Vista generada

