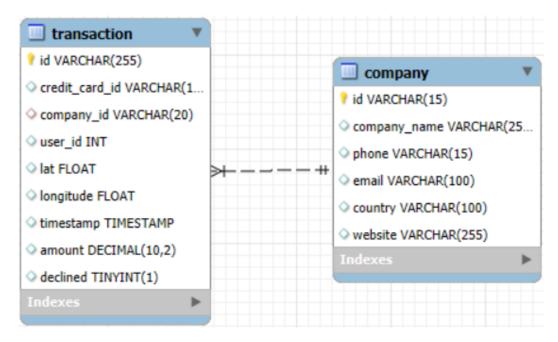
## **N1E1**



Tenemos dos tablas, relacionadas en N:1 con transaction siendo N y company siendo 1.

Se relacionan entre ellas mediante company\_id (que es la clave foránea en transaction) y id (que es la primaria de company).

La relación tiene sentido, ya que una compañía puede tener varias transacciones, pero una misma transacción no la pueden hacer varias compañías a la vez.

## **N1E2**

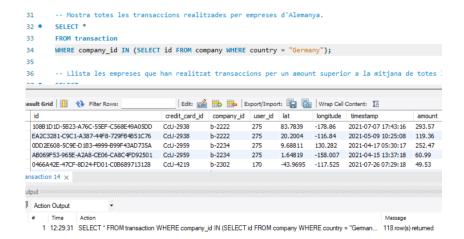




```
tutput

| Action Output | | Time | Action | Message | | 1 12:17:21 | SELECT company_name as Nombre, round(AVG(amount), 2) as MediaVentas FROM transaction JOIN company ... 1 row(s) returned
```

## **N1E3**



```
-- Llista les empreses que han realitzat transaccions per un amount superior a la mitjana de totes les transaccions.
36
37 • SELECT company_name
       FROM company
40
                   FROM transaction
41
                   WHERE amount > (SELECT AVG(amount)
42
                                FROM transaction));
Export: Wrap Cell Content: IA
company_name
Ac Fermentum Incorporated
Magna A Neque Industries
Fusce Corp.
Ante Iaculis Nec Foundation
Donec Ltd
mpany 16 ×
Action Output
  1 12:30:11 SELECT company_name FROM company WHERE id IN (SELECT company_id FROM transaction WHERE ... 70 row(s) returned
       -- Eliminaran del sistema les empreses que no tenen transaccions registrades, entrega el llistat d'aquestes empreses.
46 • SELECT company_name
47
      FROM company
      WHERE id NOT IN (SELECT DISTINCT company_id FROM transaction);
49
       -- Se podría usar también (sería más óptimo) un EXISTS ()
50
51
                               Export: Wrap Cell Content: IA
company_name
```



## **N2E1**

```
2 -- Identifics als cinc dies que es va generar la quantitat més gran d'ingressos a l'empresa per vendes. Plottra la data de cada transacció juntament amb el total de les vendes.

3 ** SIECT obstring(tiestemp, j, ja) as Date, son(amount) as Total

1 ** FROM transaction

5 ** GROW BY Date

6 ** confer by Trail dosc

1 ** LINIT 5;

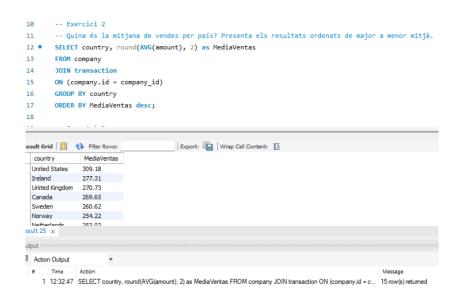
10 -- Cuiza és la mitjean de vendes per país? Presenta els resultats ordenats de major a menor mitje.

12 ** SIECT contry, rouni(GROS(amount), 2) as RediaVentas

1 ** HON transaction

5 ** GROSPAP, del company_id compa
```

# **N2E2**



# **N2E3**

```
21
        -- Mostra el llistat aplicant JOIN i subconsultes.
 22 • SELECT company_name, amount
 23
      FROM company
        JOIN transaction
        ON (company.id = company_id)
        WHERE country = (SELECT country FROM company WHERE company_name = "Non Institute");
       -- Mostra el llistat aplicant solament subconsultes.
 28
Export: Wrap Cell Content: 🖽
  company_name amount
  Sed Nunc Ltd
                      383.73
  Sed Nunc Ltd 60.07
  Non Magna LLC
Non Magna LLC
                458.74
477.95
  Enim Condimentum Ltd 309.45
Enim Condimentum Ltd 395.43
Result 27 ×
Dutput :::
Action Output

    Time Action
    1 12:34:31 SELECT company_name, amount FROM company JOIN transaction ON (company id = company_id) WHERE c... 100 row(s) returned
```

#### **N3E1**

```
-- Presenta el nom, telèfon, país, data i amount, d'aquelles empreses que van realitzar transaccion:
 3 •
      SELECT company_name, phone, country, substring(timestamp, 1, 10) as Date, amount
        FROM company
 4
       JOIN transaction
 6
       ON (company.id = company_id)
       WHERE substring(timestamp, 1, 10) IN ("2021-04-29", "2021-07-20", "2022-03-13")
 7
        AND amount BETWEEN 100 AND 200
 9
        ORDER BY amount desc;
10
11
12
        -- Exercici 2
        -- Necessitem optimitzar l'assignació dels recursos i dependrà de la capacitat operativa que es requ
13
14 •
       SELECT company_name, IF(count(amount)>4, "Més de 4 transaccions", "4 o menys transaccions") as NumTı
15
Export: Wrap Cell Content: TA
 company name
                            phone
                                          country
                                                       Date
                                                                  amount
                            04 88 40 32 52
                                                       2021-07-20
                                                                  164.86
 Interdum Feugiat Sed Associates
                                         United Kingdom
                            05 18 15 48 13 Germany
                                                       2022-03-13 164.32
 Nunc Interdum Incorporated
 Enim Condimentum Ltd
                            09 55 51 66 25 United Kingdom
                                                       2021-04-29
                                                                  149.89
                         0183666207 Canada
 Lorem Eu Incorporated
                                                       2021-07-20 133.39
 Nunc Interdum Incorporated
                            05 18 15 48 13 Germany
                                                       2021-04-29 111.51
esult 6 x
Action Output
    1 12:37:41 SELECT company_name, phone, country, substring(timestamp, 1, 10) as Date, amount FROM company JOIN tra... 5 row(s) returned
```

## **N3E2**

