

Nivell 2

Exercici 1

Identifica els cinc dies que es va generar la quantitat més gran d'ingressos a l'empresa per vendes. Mostra la data de cada transacció juntament amb el total de les vendes.

Convertir la fecha solamente al día sin las horas, sumatorio de las ventas y renombrado como "total_ventas". Misma join anterior para unir las tablas. Filtro para excluir las transacciones no declinadas. Agrupado por la fecha, ordenado por el total de ventas en orden descendente y limitado a 5 resultados.

```
SELECT date (timestamp) AS fecha, SUM(amount) AS total_ventas
FROM transaction
      JOIN company ON transaction.company_id = company.id
WHERE declined = 0
group by 1
ORDER BY 2 desc
LIMIT 5;
```

```
44 • SELECT date (timestamp) AS fecha, SUM(amount) AS total_ventas
45 FROM transaction
46      JOIN company ON transaction.company_id = company.id
47 WHERE declined = 0
48 group by 1
49 ORDER BY 2 desc
50 LIMIT 5;
51
52
53
```

Result Grid

	fecha	total_ventas
▶	2021-12-20	1532.36
	2021-04-22	1397.96
	2021-05-09	1344.37
	2022-02-26	1337.62
	2021-03-29	1325.12

Result 39 x

Output

Action Output

#	Time	Action	Message
✓ 1	13:29:58	SELECT date (timestamp) AS fecha, SUM(amount) AS total_ventas FROM transaction JOIN company ON transaction.company_id = company.id WHER...	5 row(s) returned
✓ 2	13:30:23	SELECT date (timestamp) AS fecha, SUM(amount) AS total_ventas FROM transaction JOIN company ON transaction.company_id = company.id WHER...	5 row(s) returned

Exercici 2

Quina és la mitjana de vendes per país? Presenta els resultats ordenats de major a menor mitjà.

Selección del campo país, redondeo de la media de las ventas y renombrado como “mediaXpais”. Misma join anterior. Filtro para excluir transacciones no realizadas, agrupado por país y ordenado por la “mediaXpais” descendente.

```
SELECT country, ROUND(AVG(amount),2) AS mediaXpais #añadir round
```

```
from transaction
```

```
JOIN company ON transaction.company_id = company.id
```

```
WHERE declined = 0
```

```
GROUP BY country
```

```
ORDER by mediaXpais desc;
```

```
56 • SELECT country, ROUND(AVG(amount),2) AS mediaXpais #añadir round
57   from transaction
58     JOIN company ON transaction.company_id = company.id
59   WHERE declined = 0
60   GROUP BY country
61   ORDER by mediaXpais desc;
62
```

Result Grid

country	mediaXpais
United States	287.53
Ireland	285.83
Sweden	276.67
United Kingdom	271.77
Canada	261.94
Poland	255.77

Result 40

Output

Action Output

#	Time	Action	Message
1	13:33:43	SELECT country, ROUND(AVG(amount),2) AS mediaXpais #añadir round from transaction JOIN company ON transaction.company_id = company.id WHE...	15 row(s) returned

Exercici 3

En la teva empresa, es planteja un nou projecte per a llançar algunes campanyes publicitàries per a fer competència a la companyia "Non Institute". Per a això, et demanen la llista de totes les transaccions realitzades per empreses que estan situades en el mateix país que aquesta companyia.

- Mostra el llistat aplicant JOIN i subconsultes.

Mostrar todo los datos de la tabla company, uniendo tablas con join anterior. Filtro aplicado: resultados que el nombre de la compañía no sea "Non Institute" y aplicado con subconsulta, que el país sea el mismo que la compañía citada anteriormente.

```
SELECT *
```

```
from company
```

```
JOIN transaction ON company.id = transaction.company_id
```

```
WHERE company_name != 'Non Institute' AND country = (
```

```
    Select country from company
```

```
WHERE company_name = 'Non Institute');
```

```
67 • SELECT *
68 from company
69 JOIN transaction ON company.id = transaction.company_id
70 WHERE company_name != 'Non Institute' AND country = (
71     Select country from company
72     WHERE company_name = 'Non Institute'); #corregir
73
74 #SIN JOIN
```

Result Grid

	id	company_name	phone	email	country	website	id	
▶	b-2246	Sed Nunc Ltd	02 62 64 73 48	nibh@yahoo.org	United Kingdom	https://cnn.com/one	2B928E1C-EC14-A760-0A75-871477649D6A	C
	b-2246	Sed Nunc Ltd	02 62 64 73 48	nibh@yahoo.org	United Kingdom	https://cnn.com/one	ACD2011A-A2B1-C365-41E1-2AB00C65147A	C
	b-2310	Non Magna LLC	06 71 73 13 17	nisl.quisque.fringilla@hotmail.ca	United Kingdom	https://whatsapp.com/site	4334349E-CEB0-3D68-A4D4-FEB7718A1ACE	C
	b-2310	Non Magna LLC	06 71 73 13 17	nisl.quisque.fringilla@hotmail.ca	United Kingdom	https://whatsapp.com/site	BC2B9A38-77B4-28CD-1FE8-140ED863E773	C
	b-2326	Enim Condimentum Ltd	09 55 51 66 25	imperdiet.non.vestibulum@yahoo.net	United Kingdom	https://cnn.com/group/9	1479B3D2-B7BA-C7BB-4CE3-8D7C2DE85A8B	C
	b-2326	Enim Condimentum Ltd	09 55 51 66 25	imperdiet.non.vestibulum@yahoo.net	United Kingdom	https://cnn.com/group/9	153E98C2-070D-D684-4B66-01E9E202EEBE	C

Result 41 x

Output

Action Output

#	Time	Action	Message
1	13:35:29	SELECT * from company JOIN transaction ON company.id = transaction.company_id WHERE company_name != 'Non Institute' AND country = (Select ...	70 row(s) returned

- **Mostra el llistat aplicant subconsultes**

Uno las dos tablas mediante el filtro, y como en el ejercicio anterior filtro para que me muestre las compañías que tienen un nombre diferente a “Non Institute” pero el país sea el mismo.

```
SELECT transaction.*
FROM company, transaction
WHERE transaction.company_id = company.id
AND company_name != 'Non Institute'
AND country = (
    Select country from company
    WHERE company_name = 'Non Institute'
);
```

```
76 • SELECT transaction.*
77 FROM company, transaction
78 WHERE transaction.company_id = company.id
79 AND company_name != 'Non Institute'
80 AND country = (
81     Select country from company
82     WHERE company_name = 'Non Institute' #exclur empresa igual que en paso anterior con otra subquery
83 );
84
85 #NIVEL 3 EJ 1
86
```

Result Grid									
Filter Rows: <input type="text"/>									
Export: <input type="text"/> Wrap Cell Content: <input type="text"/>									
	id	credit_card_id	company_id	user_id	lat	longitude	timestamp	amount	declined
	2B928E1C-EC14-A760-0A75-871477649D6A	CcU-2980	b-2246	275	-41.0496	161.685	2021-08-10 08:14:49	383.73	0
	ACD2011A-A2B1-C365-41E1-2AB00C65147A	CcU-2980	b-2246	275	-54.4792	-82.7974	2022-03-05 20:41:20	60.07	1
	4334349E-CEB0-3D68-A4D4-FEB7718A1ACE	CcU-3092	b-2310	275	-20.4859	150.87	2021-05-03 22:37:23	458.74	0
	BC2B9A38-77B4-28CD-1FE8-14DED863E773	CcU-3092	b-2310	275	-78.0295	18.5295	2021-10-18 07:27:35	477.95	1
	1479B3D2-B7BA-C7BB-4CE3-8D7C2DE85ABB	CcU-2994	b-2326	133	66.2672	172.399	2021-08-09 00:58:07	309.45	0
	4E7E9C7D-02D0-B694-4B66-01E9E307EBEE	CcU-2994	b-2326	133	67.0190	141.573	2021-07-05 03:10:00	305.43	0

Result 42 X

Output:

Action Output

#	Time	Action	Message
1	13:38:18	SELECT transaction.* FROM company, transaction WHERE transaction.company_id = company.id AND company_name != 'Non Institute' AND country = ...	70 row(s) returned