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Nivel 1

EXERCICI 2

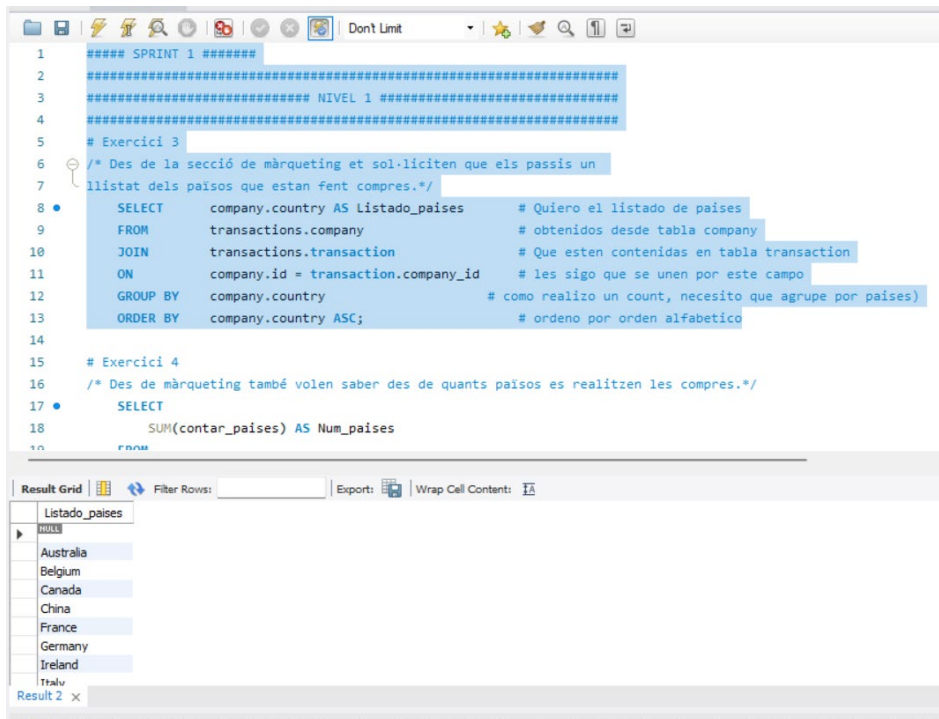
The screenshot shows a SQL IDE interface. At the top, there's a toolbar with various icons. Below it, a SQL query is written in a text editor. The query is as follows:

```
1 # Exercici 2
2 /* Realitza la següent consulta: Has d'obtenir el nom, email i país de cada companyia,
3   ordena les dades en funció del nom de les companyies */
4 SELECT      company_name AS Nom,
5             email,
6             country AS Pais_companyia
7 FROM        transactions.company
8 ORDER BY    company_name ASC; # ordeno en funcion del nombre de la compañía en orden alfabético.
```

Below the query editor, there's a 'Result Grid' section. It has a table with three columns: 'Nom', 'email', and 'Pais_companyia'. The table contains 15 rows of data, sorted alphabetically by company name. The first row is 'A Institute' with email 'metus.aliquam@google.edu' and country 'Belgium'. The last row is 'Amet Institute' with email 'nullam.lobortis.quam@outlook.net' and country 'Australia'.

Nom	email	Pais_companyia
A Institute	metus.aliquam@google.edu	Belgium
Ac Fermentum Incorporated	donec.porttitor.tellus@yahoo.net	Germany
Ac Industries	ipsum@yahoo.com	Germany
Ac Libero Inc.	mollis.lectus@protonmail.ca	United Kingdom
Aliquam Erat Volutpat LLP	pede.nunc@icloud.net	Italy
Aliquam Iaculis Lacus Corp.	dictum@aol.org	Belgium
Aliquam PC	scelerisque.mollis@icloud.org	Germany
Aliquet Diam Limited	eu.eros.nam@icloud.org	United States
Aliquet Sem Limited	sem.magna@yahoo.edu	Netherlands
Aliquet Vel Vulputate Inco...	suspendisse.commodo@outlook...	Netherlands
Amet Faucibus Ut Foundation	malesuada@icloud.net	United Kingdom
Amet Institute	nullam.lobortis.quam@outlook.net	Australia

EXERCICI 3



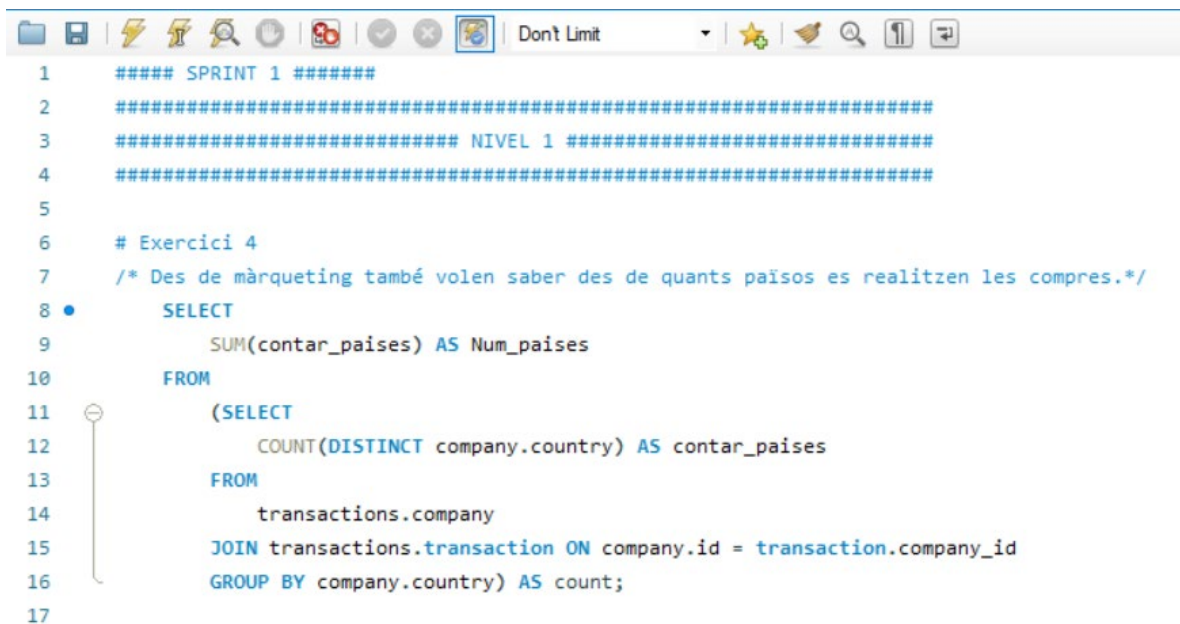
```
1 ##### SPRINT 1 #####
2 #####
3 ##### NIVEL 1 #####
4 #####
5 # Exercici 3
6 /* Des de la secció de màrqueting et sol·liciten que els passis un
7 llistat dels països que estan fent compres.*/
8 • SELECT      company.country AS Listado_paises      # Quiero el listado de paises
9 FROM          transactions.company                  # obtenidos desde tabla company
10 JOIN          transactions.transaction              # Que esten contenidas en tabla transaction
11 ON            company.id = transaction.company_id    # les sigo que se unen por este campo
12 GROUP BY      company.country                      # como realizo un count, necesito que agrupe por paises
13 ORDER BY      company.country ASC;                  # ordeno por orden alfabetico
14
15 # Exercici 4
16 /* Des de màrqueting també volen saber des de quants països es realitzen les compres.*/
17 • SELECT
18     SUM(contar_paises) AS Num_paises
19 FROM
```

Result Grid

Listado_paises
Australia
Belgium
Canada
China
France
Germany
Ireland
Italy

Result 2 x

EXERCICI 4



```
1 ##### SPRINT 1 #####
2 #####
3 ##### NIVEL 1 #####
4 #####
5
6 # Exercici 4
7 /* Des de màrqueting també volen saber des de quants països es realitzen les compres.*/
8 • SELECT
9     SUM(contar_paises) AS Num_paises
10 FROM
11     (SELECT
12         COUNT(DISTINCT company.country) AS contar_paises
13     FROM
14         transactions.company
15     JOIN transactions.transaction ON company.id = transaction.company_id
16     GROUP BY company.country) AS count;
17
```

Result Grid

Num_paises
8

Result 2 x

EXERCICI 5

S3N1E2 SQL File 3

```
1 ##### SPRINT 1 #####
2 #####
3 ##### NIVEL 1 #####
4 #####
5
6
7 # Exercici 5
8 /* El teu cap identifica un error amb la companyia que té aneu 'b-2354'.
9 Per tant, et sol·licita que li indiquis el país i nom de companyia d'aquest aneu.*/
10 SELECT      "b-2354" AS ID,
11             company_name AS Nom,
12             country AS Pais_companyia
13 FROM         transactions.company
14 WHERE        company.id = "b-2354";
15
16 # Exercici 6
17 /* A més, el teu cap et sol·licita que indiquis quina és la companyia amb major despesa mitjana?*/
18 SELECT      company.company_name AS Nombre_Companyia,
19             AVG(transaction.amount) AS Despesa_mitjana # Si pide mediana, se refiere al promedio
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: [A](#)

ID	Nom	Pais_companyia
b-2354	Ac Libero Inc.	United Kingdom

EXERCICI 6

S3N1E2 SQL File 3

```
1 ##### SPRINT 1 #####
2 #####
3 ##### NIVEL 1 #####
4 #####
5
6 # Exercici 6
7 /* A més, el teu cap et sol·licita que indiquis quina és la companyia amb major despesa mitjana?*/
8 SELECT      company.company_name AS Nombre_Companyia,
9             AVG(transaction.amount) AS Despesa_mitjana # Si pide mediana, se refiere al promedio
10 FROM        transactions.company
11 JOIN        transactions.transaction
12 ON          company.id = transaction.company_id
13 GROUP BY    company.company_name
14 ORDER BY    AVG(transaction.amount) DESC
15 LIMIT       1;
16
17 #####
18 ##### NIVEL 2 #####
19 #####
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: [A](#)

Nombre_Companyia	Despesa_mitjana
Eget Ipsum Ltd	473.075000

NIVEL 2

EXERCICI 2

S3N1E2 SQL File 3*

```
3  ## Exercici 2
4  /*En quin dia es van realitzar les cinc vendes més costoses?
5  Mostra la data de la transacció i la sumatòria de la quantitat de diners.*/
6  /* Realizo un codigo para obtener la tabla*/
7  SELECT      DATE_FORMAT(timestamp, '%Y-%m-%d') AS fecha,
8              amount As Monto
9  FROM        transaction
10 ORDER BY    amount DESC
11 limit      5;
12 /* Con este codigo obtengo la suma*/
13 SELECT      sum(monto) as total
14 FROM
15 (SELECT      DATE_FORMAT(timestamp, '%Y-%m-%d') AS fecha,
16              amount As Monto,
17              declined
18 FROM        transaction
19 WHERE       declined !=1
20 ORDER BY    amount DESC
21 limit 5)
22 AS max_transacciones;
23
```

Result Grid

total
2478.48

EXERCICI 3

S3N1E2 SQL File 3* x

Don't Limit

```
23
24
25  -- Exercici 3
26  /*En quin dia es van realitzar les cinc vendes de menor valor? Mostra la data de la transacció i la sumatòria de la quantitat de diners.*/
27  SELECT      sum(monto) as total
28  FROM
29      (SELECT      DATE_FORMAT(timestamp, '%Y-%m-%d') AS fecha,
30                  amount As Monto,
31                  declined
32  FROM          transaction
33  WHERE         declined !=1
34  ORDER BY      amount ASC
35  limit 5)
36  AS min_transacciones;
37
38  # Exercici 4
39  /*Quina és la mitjana de despesa per país? Presenta els resultats ordenats de major a menor mitjà.*/
40  SELECT      company.country      AS Pais,
41              round(avg(transaction.amount),2) AS Gasto_promedio
42  FROM          transactions.company
43  JOIN          transactions.transaction
44  ON company.id = transaction.company_id
45  ..
```

Result Grid

total
85.41

EXERCICI 4

S3N1E2 SQL File 3* x

Don't Limit

```
37  # Exercici 4
38  /*Quina és la mitjana de despesa per país? Presenta els resultats ordenats de major a menor mitjà.*/
39  SELECT      company.country      AS Pais,
40              round(avg(transaction.amount),2) AS Gasto_promedio
41  FROM          transactions.company
42  JOIN          transactions.transaction
43  ON company.id = transaction.company_id
44  group by    company.country
45  order by    avg(transaction.amount) DESC;
```

Result Grid

Pais	Gasto_promedio
United States	309.18
Ireland	277.31
United Kingdom	270.73
Canada	266.36
Sweden	260.62
Norway	254.22
Netherlands	253.02
Germany	244.20
Australia	232.05
Belgium	228.15
China	227.56
New Zealand	222.28
Italy	201.59

NIVEL 3

EXERCICI 1

S3N1E2 SQL File 3*

```
47  ## Exercici 1
48  /*Presenta el nom, telèfon i país de les companyies, juntament amb la quantitat total gastada, d'aquelles q
49
50  •   SELECT      company.company_name,
51                company.phone,
52                company.country,
53                sum(transaction.amount) AS Quantitat_total
54  FROM      transactions.company
55  JOIN      transactions.transaction
56  ON        company.id = transaction.company_id
57  WHERE     transaction.amount BETWEEN 100 AND 200
58  GROUP BY  company.company_name, company.phone, company.country
59  ORDER BY  sum(transaction.amount) DESC;
60
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: |

company_name	phone	country	Quantitat_total
Enim Condimetum Ltd	09 55 51 66 25	United Kingdom	2747.41
Nunc Interdum Incorporated	05 18 15 48 13	Germany	2412.55
Ut Semper Foundation	01 60 36 33 06	Sweden	2285.80
Arcu LLP	06 46 04 41 45	Norway	1589.00
Lorem Eu Incorporated	01 83 66 62 07	Canada	1544.61
Malesuada PC	01 74 85 68 70	Ireland	1255.22
Non Institute	06 77 15 31 14	United Kingdom	1078.31
At Associates	09 56 61 10 65	New Zealand	368.81
Cras Vehicula Aliquet Industries	03 37 86 87 75	Netherlands	339.92
Tristique Neque Venenatis Institute	04 34 85 12 85	Sweden	296.30
Auctor Mauris Vel LLP	08 09 28 74 14	United States	287.60
Nec Luctus LLC	02 14 71 75 73	Norway	268.32
Amet Nulla Donec Corporation	07 15 25 14 74	Italy	197.65
Ac Libero Inc.	04 36 20 64 29	United Kingdom	186.34

EXERCICI 2

S3N1E2 SQL File 3*

```
57  WHERE     transaction.amount BETWEEN 100 AND 200
58  GROUP BY  company.company_name, company.phone, company.country
59  ORDER BY  sum(transaction.amount) DESC;
60
61  ## Exercici 2
62  /* Indica el nom de les companyies que van fer compres el 16 de març del 2022, 28 de febrer del 2022 i 1
63
64  •   SELECT DISTINCT company.company_name
65  FROM      transactions.company
66  JOIN      transactions.transaction
67  ON        company.id = transaction.company_id
68  WHERE     DATE_FORMAT(timestamp, '%Y-%m-%d') IN ('2022-02-28', '2022-03-16', '2022-02-13');
69
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: |

company_name
Sed LLC
Arcu LLP
Nunc Interdum Incorporated
Ut Semper Foundation
Lorem Eu Incorporated
Malesuada PC