Test

Test: Més consultes simples sobre Miniwind
Database: miniwind

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Question 1

Obtenir la data de la comanda, la data d'enviament i l'adreça d'enviament de totes les comandes enviades a la ciutat de New Orleans. Ordena els resultats per la data en què s'ha fet la comanda, de més recents a més antigues.

Solution

```
SELECT order_date, shipped_date, ship_address
 FROM orders
 WHERE ship_city LIKE 'New Orleans'
AND shipped_date IS NOT NULL
 ORDER BY order_date DESC;
```

MATCH

```
SELECT o.order_date, o.shipped_date, o.ship_address
FROM orders o
WHERE ship_city LIKE "New Orleans" AND shipped_date IS NOT NULL
ORDER BY order_date DESC
```

2024-10-15 09:51:58

ROWS_NUMBER

```
SELECT o.order_date, o.shipped_date, o.ship_address, o.ship_city, o.ship_state_province, o.ship_zip_postal_code,
o.ship_country_region
FROM orders o
WHERE o.ship_city LIKE "New Orleans"
ORDER BY o.order_date DESC
```

2024-10-13 15:48:01

ROWS_NUMBER

```
SELECT o.order_date, o.shipped_date, o.ship_address
FROM orders o
WHERE o.ship_city LIKE "New Orleans"
ORDER BY o.order_date DESC
```

2024-10-13 15:46:18

ROWS_NUMBER

```
SELECT o.order_date, o.shipped_date, o.ship_address
FROM orders o
WHERE o.ship_city LIKE "New Orleans"
ORDER BY o.shipped_date DESC
```

2024-10-13 15:45:39

Question 2

Obtenir l'identificador, el nom de la persona receptora de l'enviament, i l'identificador de client, de totes les comandes per a les quals no consta una data d'enviament. Ordena els resultats per l'identificador del client.

Solution

```
SELECT id, ship_name, customer_id
 FROM orders
 WHERE shipped_date IS NULL
 ORDER BY customer_id;
```

MATCH

```
SELECT o.id, o.ship_name, o.customer_id
FROM orders o
WHERE o.shipped_date IS NULL
ORDER BY o.customer_id
```

2024-10-15 09:55:11

Question 3

Obtenir l'identificador, la data de la comanda, i l'identificador de client, de totes les comandes que es van fer entre el febrer i el maig de 2006 (inclosos), i ordena-les per la data de la comanda.

Solution

```
SELECT id, order_date, customer_id
 FROM orders
 WHERE order_date BETWEEN '2006-02-01 00:00:00' AND '2006-05-31 23:59:59'
 ORDER BY order_date;
```

MATCH

```
SELECT o.id, o.order_date, o.customer_id
FROM orders o
WHERE o.order_date BETWEEN '2006-02-01' AND '2006-05-31'
ORDER BY order_date
```

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Question 4

Obté l'identificador, la data de la comanda, i la ciutat de destí de totes les comandes les despeses d'enviament de les quals siguin superiors a 100 dòlars i que o bé s'hagin pagat amb un xec o bé siguin posteriors a febrer de 2006 (order date) (sense incloure'l).

Solution

```
SELECT id, order_date, ship_city
 FROM orders
 WHERE shipping_fee>100 AND (payment_type='Check' OR order_date>='2006-03-01');
```

MATCH

```
SELECT o.id, o.order_date, o.ship_city
FROM orders o
WHERE (o.shipping_fee > 100) AND (o.payment_type LIKE 'Check' OR order_date > '2006-02-28')
```

2024-10-14 09:05:09

Question 5

Obté l'identificador, i l'adreça i ciutat d'enviament de totes les comandes que siguin posteriors al 15 de maig de 2006 i que tinguin un enviament gratuït.

Solution

```
SELECT id, ship_address, ship_city
 FROM orders
 WHERE order_date>='2006-05-16'
  AND shipping_fee=0;
```

MATCH

```
SELECT o.id, o.ship_address, o.ship_city
FROM orders o
WHERE (o.order_date > '2006-05-15') AND (o.shipping_fee = 0)
```

2024-10-14 09:39:50

Question 6

Obté l'identificador, el nom, i el cognom de tots els clients el nom dels quals comença per A i que viuen a una ciutat el nom de la qual conté almenys una 'a'.

Solution

```
SELECT id, first_name, last_name
 FROM customers
 WHERE first_name LIKE 'A%'
  AND city LIKE '%a%';
```

MATCH

```
SELECT c.id, c.first_name, c.last_name
FROM customers c
WHERE c.first_name LIKE "A%" AND c.city LIKE "%a%"
```

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ROWS_NUMBER

```
SELECT c.id, c.first_name, c.last_name
FROM customers c
WHERE c.first_name = "A%" AND c.city = "%a%"
```

2024-10-14 09:41:56

Question 7

Obté l'identificador del producte, la quantitat de productes comprats i el preu de cada unitat, de la comanda amb número 51 (utilitza la taula order_details). Ordena el resultat per la quantitat, de gran a petit, i si de dos productes se n'ha comprat la mateixa quantitat, pel preu unitari (de molt a poc).

Solution

```
SELECT product_id, quantity, unit_price
 FROM order_details
 WHERE order_id=51
 ORDER BY quantity DESC, unit_price DESC;
```

MATCH

```
SELECT od.product_id, od.quantity, od.unit_price
FROM order_details od
WHERE od.order_id = 51
ORDER BY od.quantity DESC, od.unit_price DESC
```

2024-10-14 09:49:40

ORDER

```
SELECT od.product_id, od.quantity, od.unit_price
FROM order_details od
WHERE od.order_id = 51
ORDER BY od.quantity DESC, od.unit_price
```

2024-10-14 09:49:30

ORDER

```
SELECT od.product_id, od.quantity, od.unit_price
FROM order_details od
WHERE od.order_id = 51
ORDER BY od.quantity, od.unit_price
```

2024-10-14 09:48:49

Question 8

Obté l'identificador de totes les comandes per a les quals hi hagi almenys un dels productes comprats que no s'hagin facturat. Els productes facturats tenen un 2 a la columna `status_id` de la taula `order_details`. Evita resultats repetits i ordena els resultats de menor a major id.

Solution

```
SELECT DISTINCT order_id
 FROM order_details
 WHERE status_id!=2
 ORDER BY order_id;
```

MATCH

```
SELECT DISTINCT od.order_id
FROM order_details od
WHERE od.status_id NOT LIKE 2
ORDER BY od.id
```

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ROWS_NUMBER

```
SELECT DISTINCT od.order_id
FROM order_details od
WHERE od.status_id = 2
ORDER BY od.id
```

2024-10-15 09:30:52

Question 9

Obté l'identificador, l'identificador de la comanda, i l'identificador del producte de totes les comandes (a `order_details`) que no estiguin associades a cap ítem d'inventari, o que estiguin associades a un ítem d'inventari de número superior a 130.

Solution

```
SELECT id, order_id, product_id
 FROM order_details
 WHERE inventory_id IS NULL
  OR inventory_id>130;
```

MATCH

```
SELECT DISTINCT od.id, od.order_id, od.product_id
FROM order_details od
WHERE od.inventory_id IS NULL OR od.inventory_id > 130
```

2024-10-15 09:37:06

Question 10

Obté l'identificador, l'identificador de la comanda, l'identificador del producte, la quantitat demanada, el preu unitari i l'import total de les línies de detall que tinguin aquest import total superior a 1000 però inferior a 10000.

Solution

```
SELECT id, order_id, product_id, quantity, unit_price, quantity*unit_price
 FROM order_details
 WHERE quantity*unit_price > 1000
  AND quantity*unit_price < 10000;
```

MATCH

```
SELECT od.id, od.order_id, od.product_id, od.quantity, od.unit_price, (od.quantity * od.unit_price) AS total
FROM order_details od
WHERE (od.quantity * od.unit_price) > 1000 AND (od.quantity * od.unit_price) < 10000
```

2024-10-15 09:50:04

Question 11

Obté l'identificador, el codi de producte i el nom del producte, dels productes que no siguin begudes (categoria "Beverages") i que tinguin un preu de venta de menys de 10 dòlars. Ordena els resultats pel nom del producte.

Solution

```
SELECT id, product_code, product_name
 FROM products
 WHERE category NOT LIKE 'Beverages'
  AND list_price < 10
 ORDER BY product_name;
```

MATCH

```
SELECT p.id, p.product_code, p.product_name
FROM products p
WHERE p.category NOT LIKE "Beverages" AND p.list_price < 10
ORDER BY p.product_name
```

2024-10-15 09:58:55

ROWS_NUMBER

```
SELECT p.id, p.product_code, p.product_name
FROM products p
WHERE p.category NOT LIKE "Beverages" AND p.standard_cost < 10
ORDER BY p.product_name
```

2024-10-15 09:58:30

Question 12

Obté l'identificador, l'identificador del client i la data de comanda, de totes les comandes pagades amb targeta de crèdit i enviades als estats de California (CA) o Florida (FL).

Solution

```
SELECT id, customer_id, order_date
 FROM orders
 WHERE payment_type LIKE 'Credit Card'
  AND (ship_state_province LIKE 'CA'
   OR ship_state_province LIKE 'FL');
```

<div align="right">MATCH</div>

```
SELECT o.id, o.customer_id, o.order_date
FROM orders o
WHERE o.payment_type LIKE "Credit Card" AND o.ship_state_province IN ("CA", "FL")
```

2024-10-15 10:02:01

<div align="right">Question 13</div>

Mostra el nom, cognom, adreça i ciutat de residència de tots els clients, ordenats pel cognom, de l'A a la Z, després pel nom, també d'A a la Z, i finalment per la ciutat de residència, de la Z a la A.

<div align="right">Solution</div>

```
SELECT first_name, last_name, address, city
 FROM customers
 ORDER BY last_name, first_name, city DESC;
```

<div align="right">MATCH</div>

```
SELECT c.first_name, c.last_name, c.address, c.city
FROM customers c
ORDER BY c.last_name ASC, c.first_name ASC, c.city DESC
```

2024-10-15 10:04:20

<div align="right">Question 14</div>

Selecciona totes les comandes que encara no s'han completat (status_id val 3 si s'ha completat), i que es van fer entre el 15 de maig de 2006 i el 15 de juny de 2006. D'aquestes comandes en volem saber l'identificador, l'identificador del client i de l'empleat, la data de la comanda, i el nom a qui s'han enviat. Ordena els resultats per l'identificador del client primer, i en segon lloc per l'identificador de l'empleat.

<div align="right">Solution</div>

```
SELECT id, customer_id, employee_id, order_date, ship_name
 FROM orders
 WHERE status_id != 3
  AND order_date BETWEEN '2006-05-15' AND '2006-06-15 23:59:59'
 ORDER BY customer_id, employee_id;
```

<div align="right">MATCH</div>

```
SELECT o.id, o.customer_id, o.employee_id, o.order_date, o.ship_name
FROM orders o
WHERE o.status_id NOT LIKE "3" AND o.order_date BETWEEN '2006-05-15' AND '2006-06-15'
ORDER BY o.customer_id, o.employee_id
```

2024-10-15 10:08:31

<div align="right">Question 15</div>

Obté l'identificador, el codi de producte i el nom del producte, dels productes que continguin la combinació 'ea' en el seu nom, però que **no** hi tinguin **més** de tres erres.

<div align="right">Solution</div>

```
SELECT id, product_code, product_name
 FROM products
 WHERE product_name LIKE '%ea%'
  AND product_name NOT LIKE '%r%r%r%r%';
```

<div align="right">MATCH</div>

```
SELECT p.id, p.product_code, p.product_name
FROM products p
WHERE p.product_name LIKE '%ea%' AND LENGTH(p.product_name) - LENGTH(REPLACE(p.product_name, 'r', '')) <= 3
```

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```
SELECT p.id, p.product_code, p.product_name
FROM products p
WHERE p.product_name LIKE '%ea%' AND LENGTH(p.product_name) - LENGTH(REPLACE(p.product_name, 'r', '')) <= 3
```