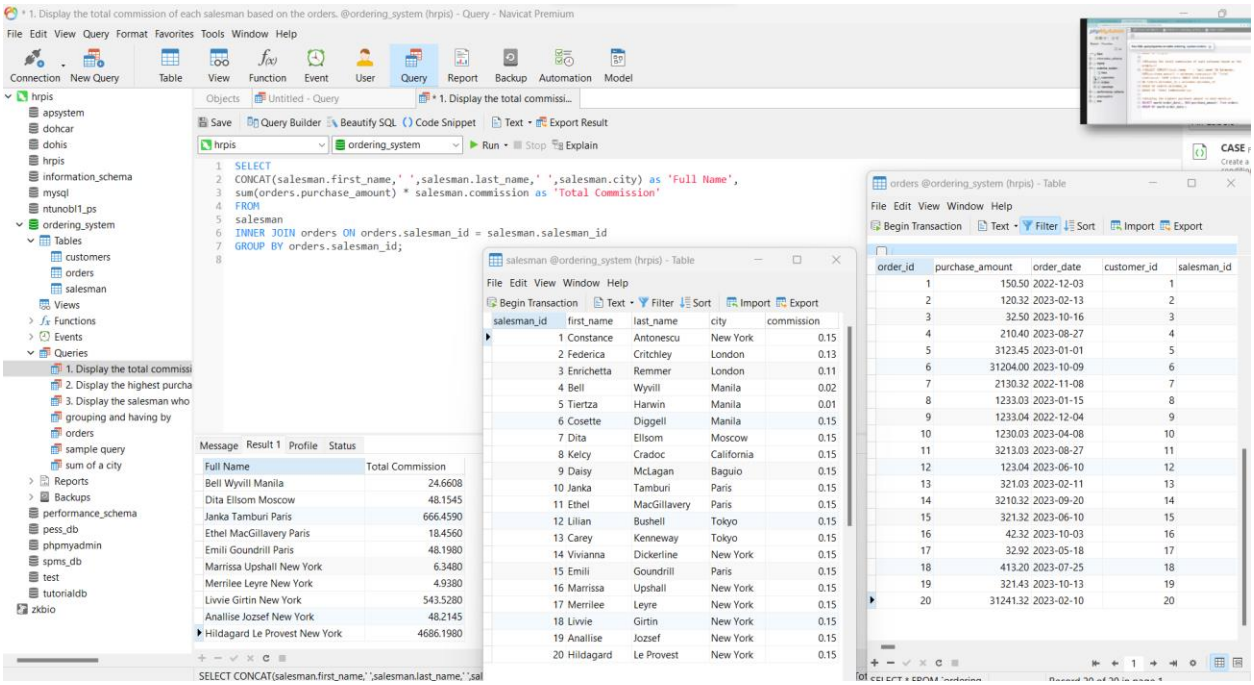
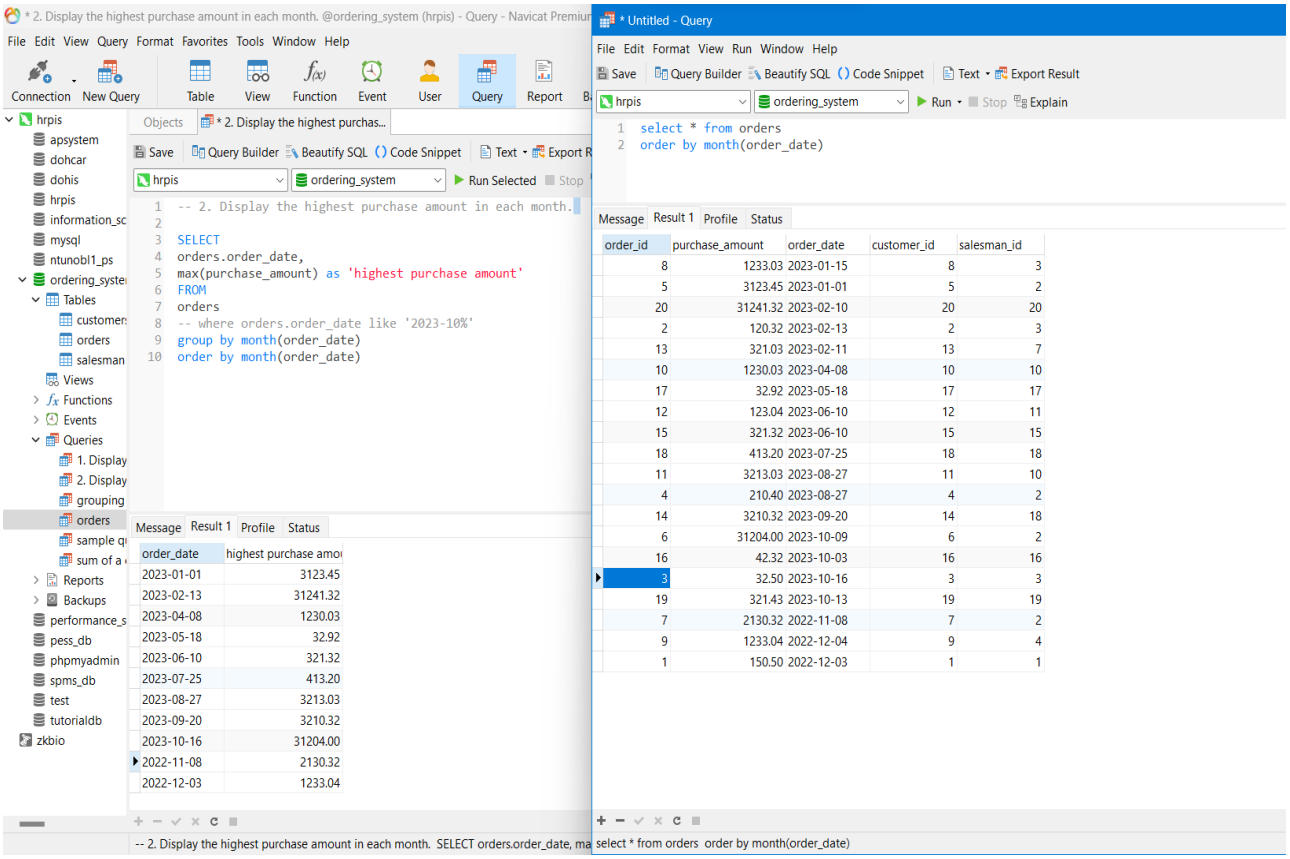
1. Display the total commission of each salesman based on the orders.

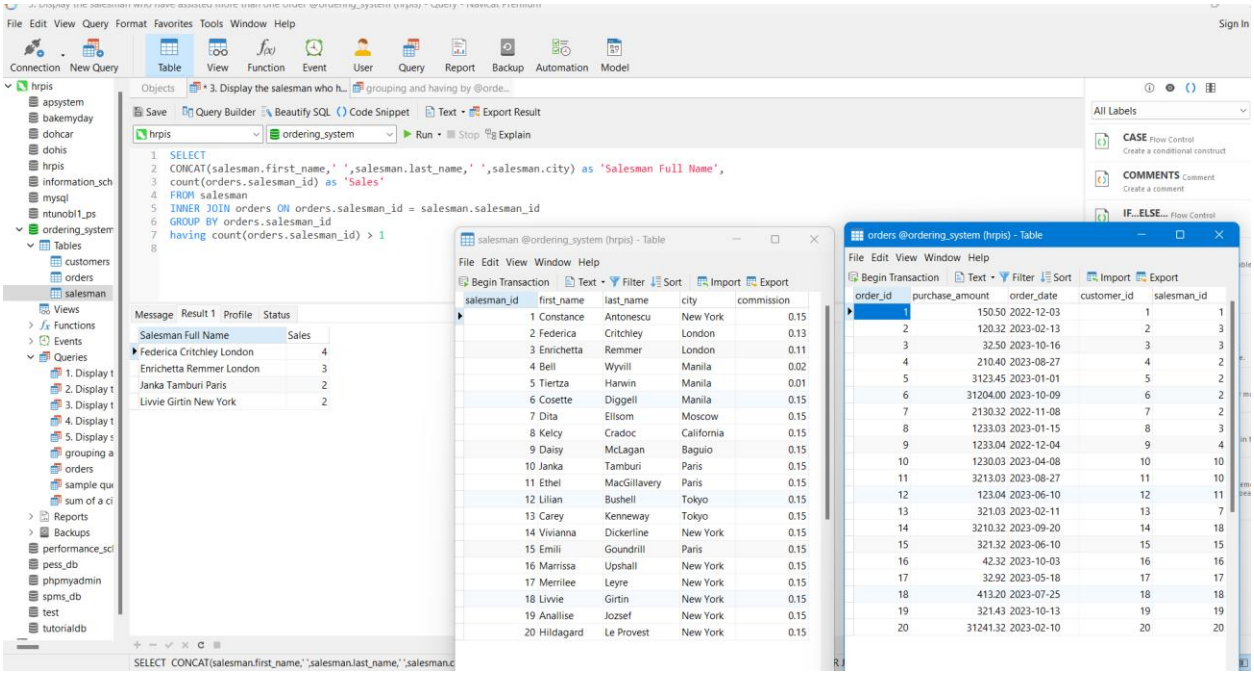



2. Display the highest purchase amount in each month.

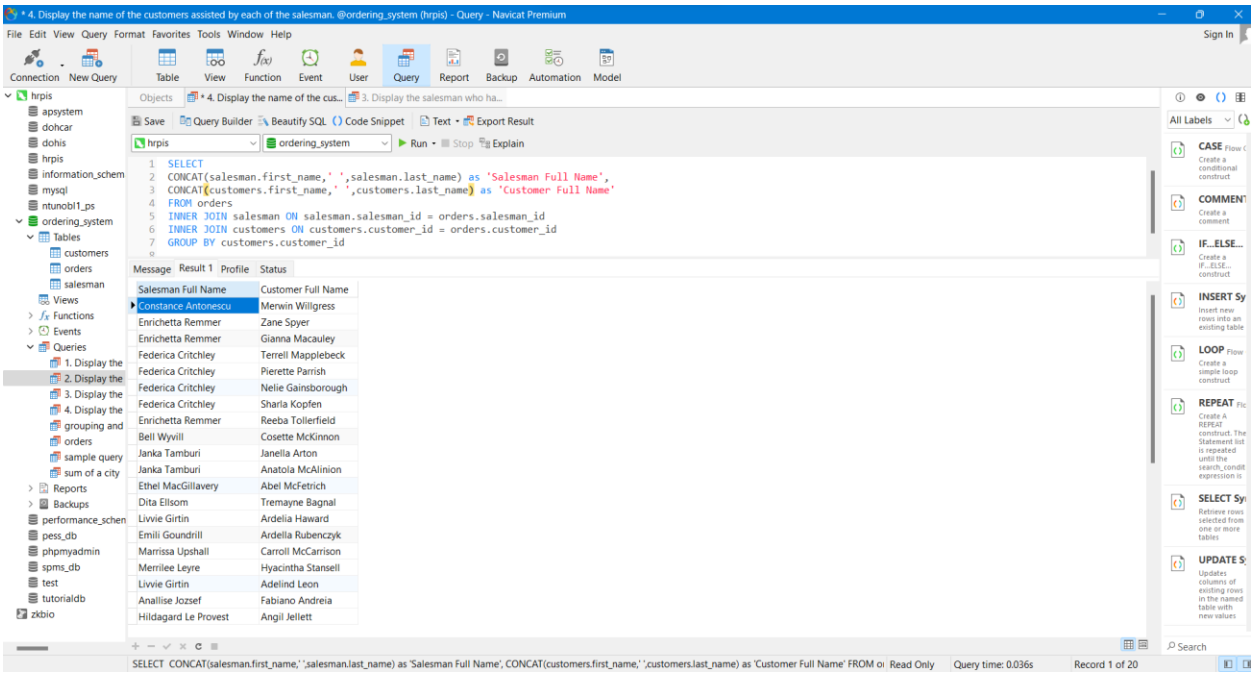
```sql
-- 2. Display the highest purchase amount in each month.

SELECT
monthname(orders.order_date),
max(purchase_amount) as 'highest purchase amount'
FROM
orders
-- where orders.order_date like '2023-10%'
group by month(order_date)
order by month(order_date)
```



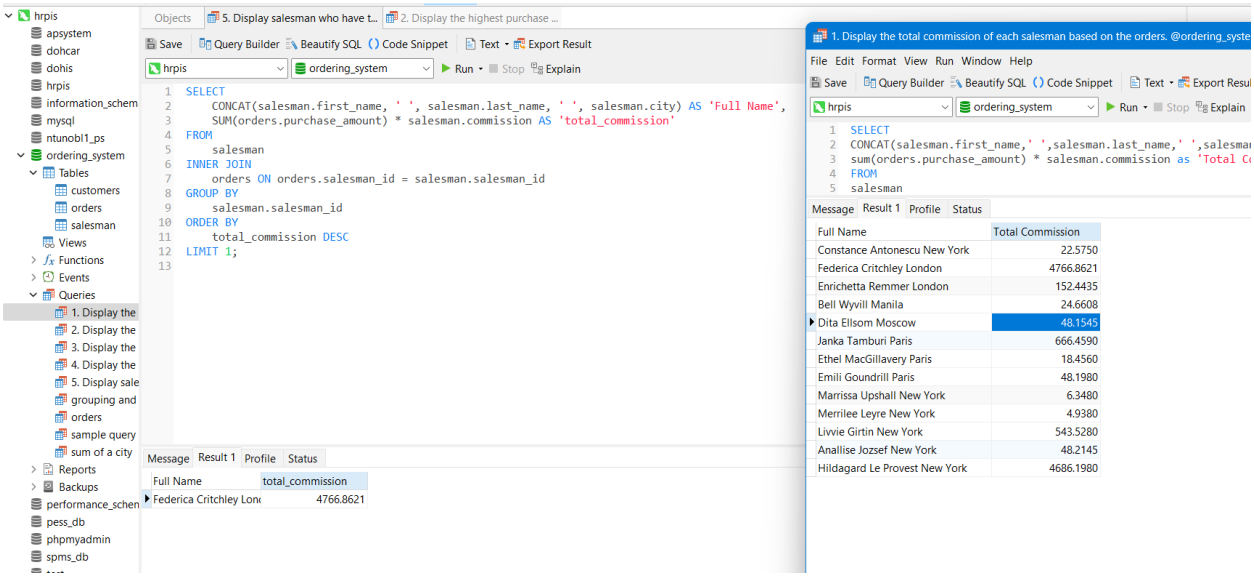

3. Display the salesman who have assisted more than one order




4. Display the name of the customers assisted by each of the salesman.




5. Display salesman who have the highest total commission based on the orders.




1. Display the total commission of each salesman based on the orders.
2. Display the highest purchase amount in each month.
3. Display the salesman who have assisted more than one order
4. Display the name of the customers assisted by each of the salesman.
5. Display salesman who have the highest total commission based on the orders.

```sql
SELECT
  CONCAT( salesman.first_name, ' ', salesman.last_name, ' ', salesman.city ) AS 'Full Name',
  sum( orders.purchase_amount ) * salesman.commission AS 'Total Commission'
FROM
  salesman
  INNER JOIN orders ON orders.salesman_id = salesman.salesman_id
GROUP BY
  orders.salesman_id;
```

```sql
SELECT
  monthname( orders.order_date ),
  max( purchase_amount ) AS 'highest purchase amount'
FROM
  orders
GROUP BY
  MONTH ( order_date )
ORDER BY
  MONTH ( order_date )
```

```sql
SELECT
  CONCAT( salesman.first_name, ' ', salesman.last_name, ' ', salesman.city ) AS 'Salesman Full Name',
  count( orders.salesman_id ) AS 'Sales'
FROM
  salesman
  INNER JOIN orders ON orders.salesman_id = salesman.salesman_id
GROUP BY
  orders.salesman_id
HAVING
  count( orders.salesman_id ) > 1
```

```sql
SELECT
  CONCAT( salesman.first_name, ' ', salesman.last_name ) AS 'Salesman Full Name',
  CONCAT( customers.first_name, ' ', customers.last_name ) AS 'Customer Full Name'
FROM
  orders
  INNER JOIN salesman ON salesman.salesman_id = orders.salesman_id
  INNER JOIN customers ON customers.customer_id = orders.customer_id
GROUP BY
  customers.customer_id
```

```sql
SELECT
    CONCAT(salesman.first_name, ' ', salesman.last_name, ' ', salesman.city) AS 'Full Name',
    SUM(orders.purchase_amount) * salesman.commission AS 'total_commission'
FROM
    salesman
INNER JOIN
    orders ON orders.salesman_id = salesman.salesman_id
GROUP BY
    salesman.salesman_id
ORDER BY
    total_commission DESC
LIMIT 1;
```