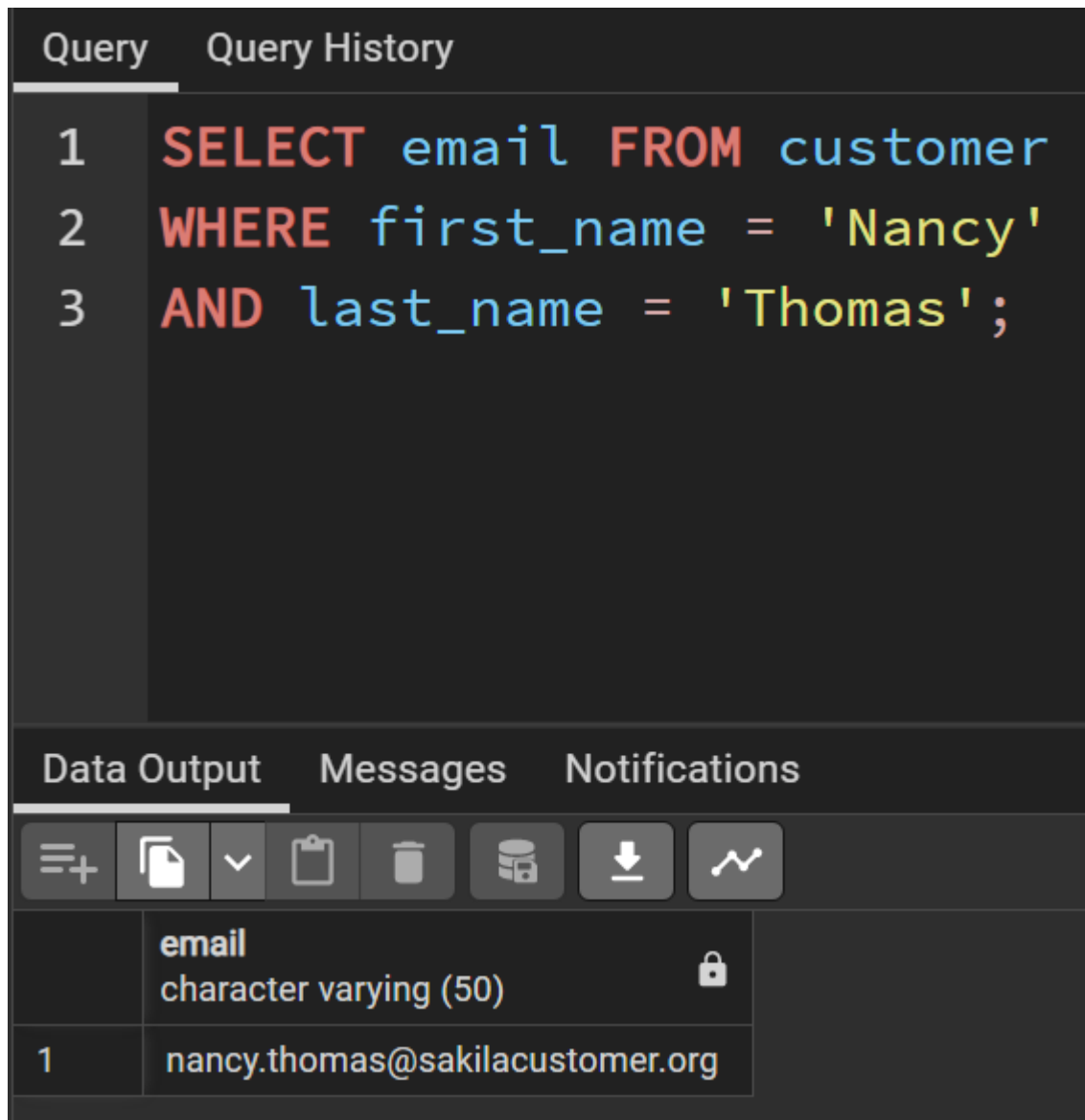


# Challenge 3 SELECT WHERE

## Challenge A

A customer forgot their wallet at our store. We need to find their email so we can inform them. What is Nancy Thomas' email address?



The screenshot shows a SQL query editor with a dark theme. The top bar has tabs for 'Query' and 'Query History'. The 'Query' tab is active, showing a SQL query with line numbers 1, 2, and 3. The query is: `SELECT email FROM customer WHERE first_name = 'Nancy' AND last_name = 'Thomas';`. Below the query editor, there are tabs for 'Data Output', 'Messages', and 'Notifications'. The 'Data Output' tab is active, showing a table with one row. The table has a column named 'email' with a data type of 'character varying (50)' and a lock icon. The row contains the value 'nancy.thomas@sakilacustomer.org'.

	email character varying (50)
1	nancy.thomas@sakilacustomer.org

Note: If I was actually doing this in real life, I would probably start by finding just customers with the last name Thomas assuming the table was this size. If there were way too many customers with Thomas as a last name, then I could add

| AND first\_name = 'Nancy'

Let's verify that this is valid here:

Query

Query History

1

SELECT email, first\_name

2

FROM customer

WHERE last\_name = 'Thomas';

Data Output

Messages

Notifications

≡+

▼

	email character varying (50)	first_name character varying (45)
1	nancy.thomas@sakilacustomer.org	Nancy

Now that I think about it, I had to actually include first\_name in the columns, otherwise I would have no idea whether the email corresponded to Nancy had there been multiple Thomases and they had weird emails like [unicornfan78@gmail.com](#). Probably doing it the way I did in the first place is going to be the best in the end . . .

## Challenge B

A customer wants a description of the movie "Outlaw Hanky".

Query

Query History

1

SELECT description from film

2

WHERE title = 'Outlaw Hanky';

Data Output

Messages

Notifications

≡+

▼

description

text

1

A Thoughtful Story of a Astronaut And a Composer who must Conquer a Dog in The Sahara Desert

Super easy. Sounds like a fascinating movie.

## Challenge 3

A customer is late on their film return and we want to call them to bother them. We've already sent them a letter, so we can find their phone number using their address, 259 Ipoh Drive.

This information actually isn't found in the "customer" table. There is a seperate table called address:

Query

Query History

1

SELECT phone from address


2


WHERE address = '259 Ipoh Drive';


Data Output


Messages


Notifications





















	phone character varying (20) 
1	419009857119

This does not actually appear to be a real phone number. Note: the table and one of the columns share their names, but they are different things.