

Problem#3_2: SQL CRUD

SELECT is only one side of working with a database. Developing SQL skills to INSERT and UPDATE data is equally important. Use both the INSERT and UPDATE SQL to add and update records in the dvdrental database.

2. The family moves, change their address using an UPDATE statement. Don't over think the move... you should be able to add the new address and change one attribute for each family member to make the move.

Solution:

The screenshot shows a PostgreSQL IDE interface. At the top, there's a tab for 'Problem#2_1.sql*'. Below it, the connection is 'dvdrental/postgres@PostgreSQL 16'. A toolbar contains various icons for file operations, query execution, and settings. The 'Query' tab is active, displaying the following SQL code:

```
1
2 INSERT INTO address (address_id, address, district, city_id, postal_code, phone)
3 VALUES (607, '135 Plaza Drive', 'River East', 601, 'R2H 0R7', 12049385311);
4
5
6 UPDATE customer
7 SET address_id = 607
8 WHERE customer_id IN (600, 601, 602, 603)
9 RETURNING *;
```

The 'Data Output' tab is also active, showing the results of the UPDATE query. The table has 11 columns: customer_id, store_id, first_name, last_name, email, address_id, activebool, create_date, last_update, and active. The data is as follows:

	customer_id [PK] integer	store_id smallint	first_name character varying (45)	last_name character varying (45)	email character varying (50)	address_id smallint	activebool boolean	create_date date	last_update timestamp without time zone	active integer
1	600	2	Nikki	Hart	nikki.hart@gmail.com	607	true	2024-01-16	2024-01-16 21:49:56.400011	1
2	601	2	Phillip	Hart	phillip.hart@gmail.com	607	true	2024-01-16	2024-01-16 21:49:56.400011	1
3	602	2	Renee	Hart	renee.hart@gmail.com	607	true	2024-01-16	2024-01-16 21:49:56.400011	1
4	603	2	Zak	Hart	zak.hart@gmail.com	607	true	2024-01-16	2024-01-16 21:49:56.400011	1