UTM
UNIVERSITI TEKNOLOGI MALAYSIA

FACULTY OF COMPUTING
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LAB 2 DML Part 1

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Section	08

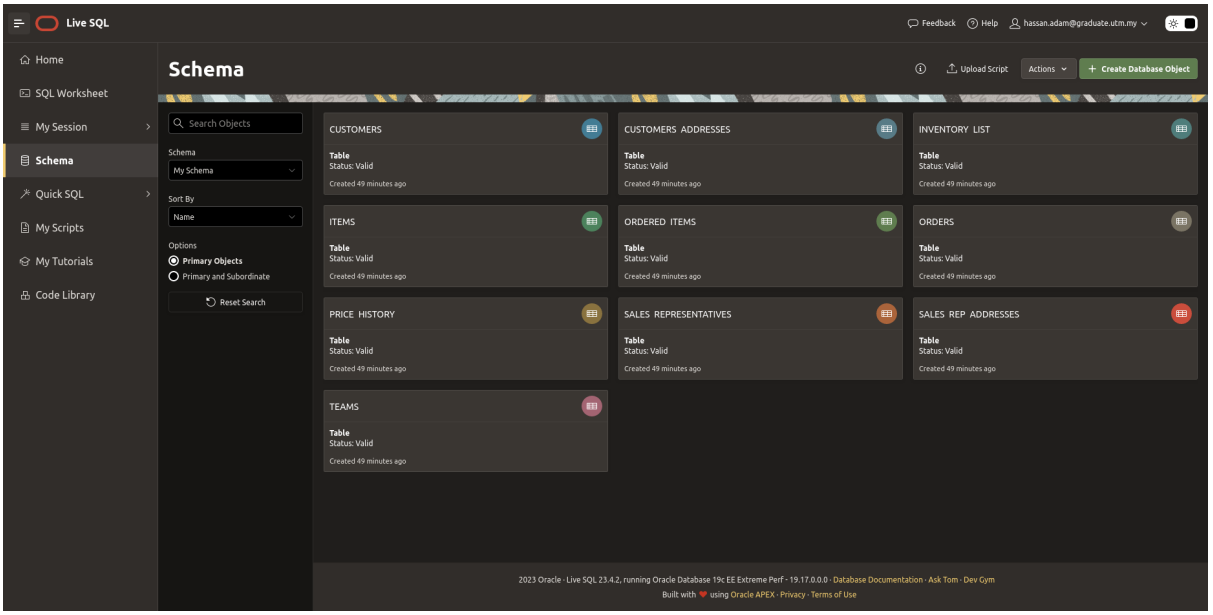
Section 6 Lesson 4 Exercise 1

Part 1 : Running a script to populate the tables.

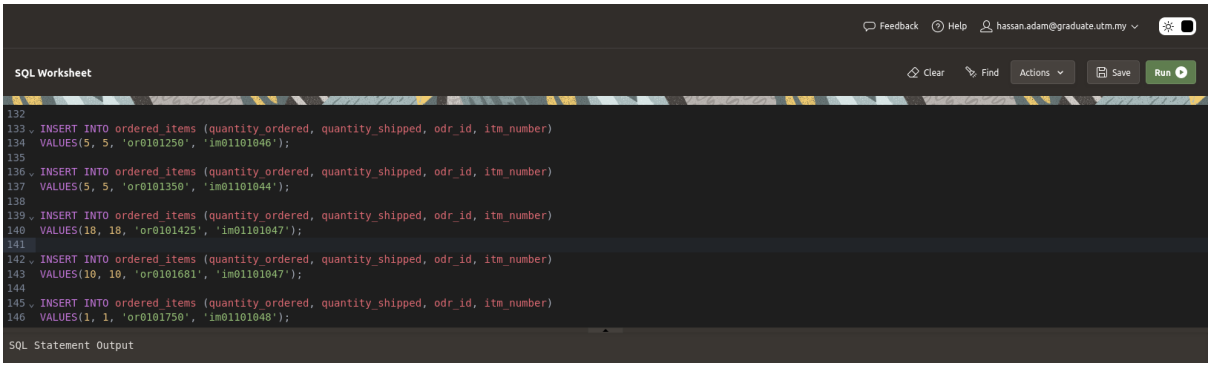
You have to consider the order of the tables when populating them. A table that has a foreign key field cannot be populated before the related table with the primary key.

1. Use the table mapping document and list the order that you would use to populate

the tables.
a) inventory_list
b) items
c) price_history
d) sales_representatives
e) sales_rep_addresses
f) teams
g) customers
h) customers_addresses
i) orders
j) ordered_items

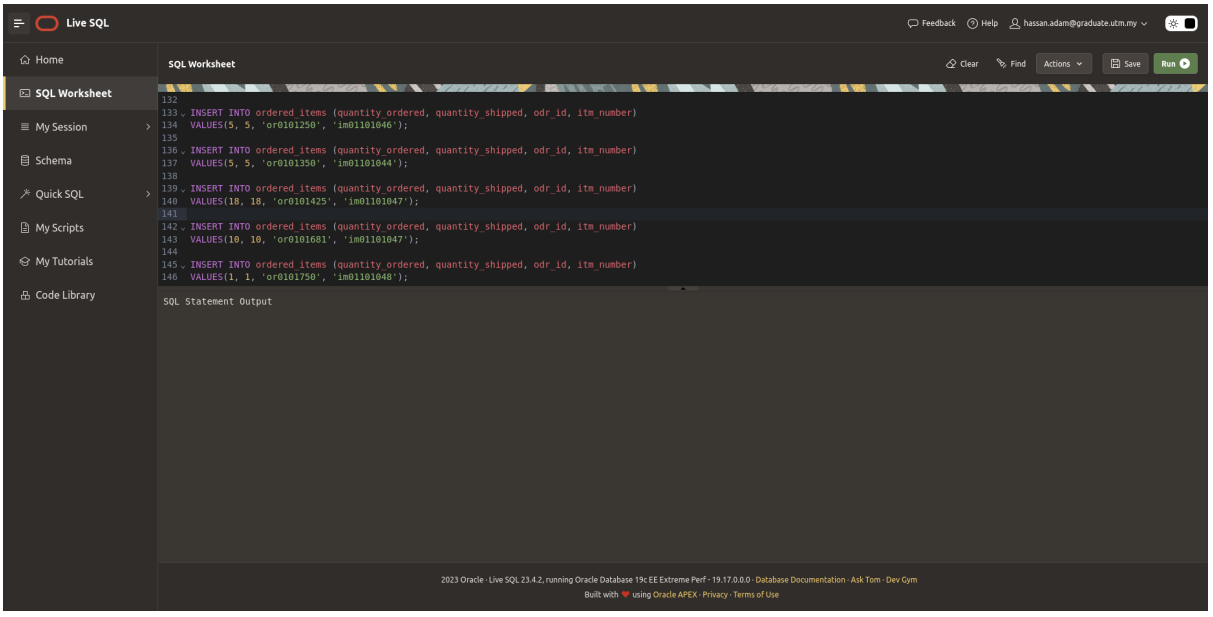


2. Open the “sports data.sql” and look at the order the data is being added there, does your list match? This file can be found in the Section 6 Lesson 4 interaction (sports data.zip) and must first be extracted.

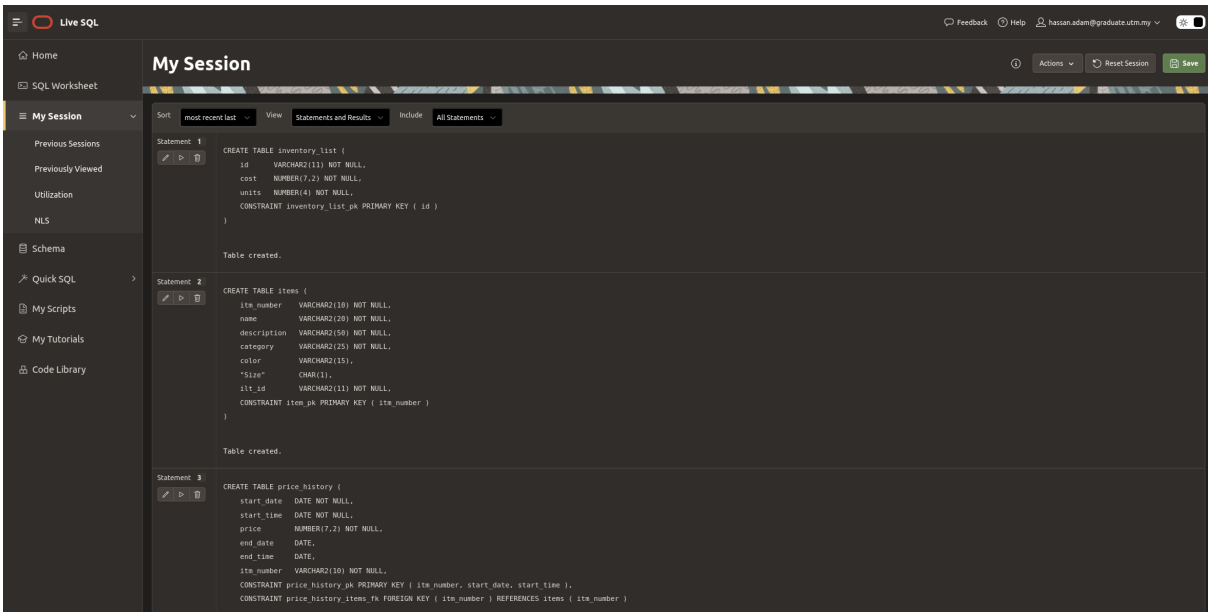


Yes, it matched.

3. Run the “sports data.sql” script in APEX to populate your tables

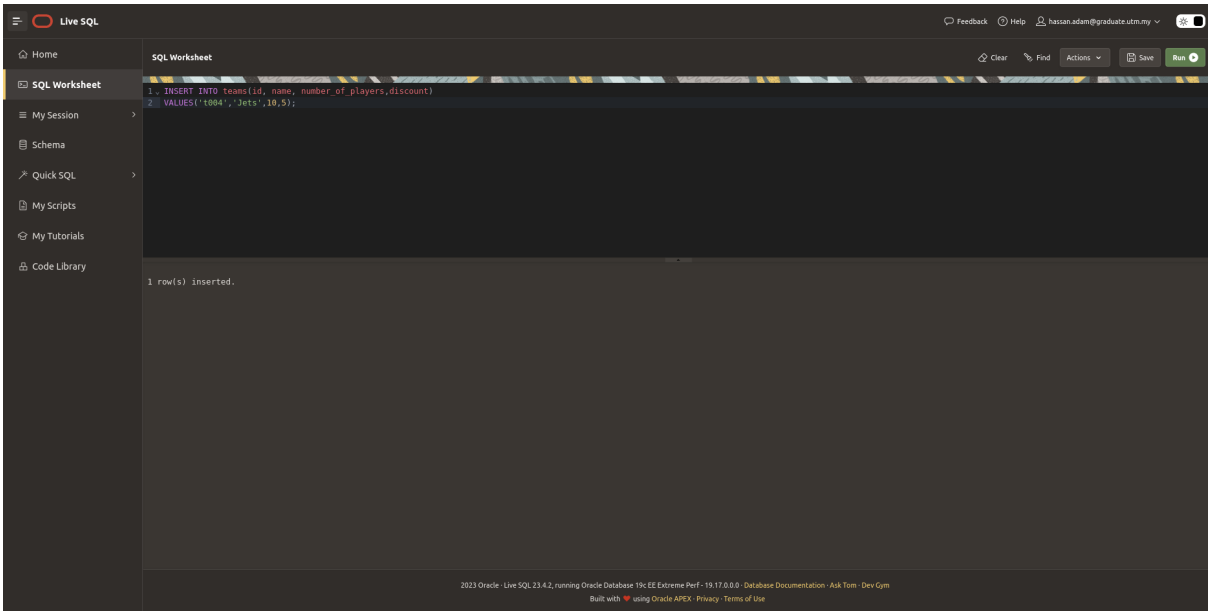


4. Check that no errors occurred when you ran the script

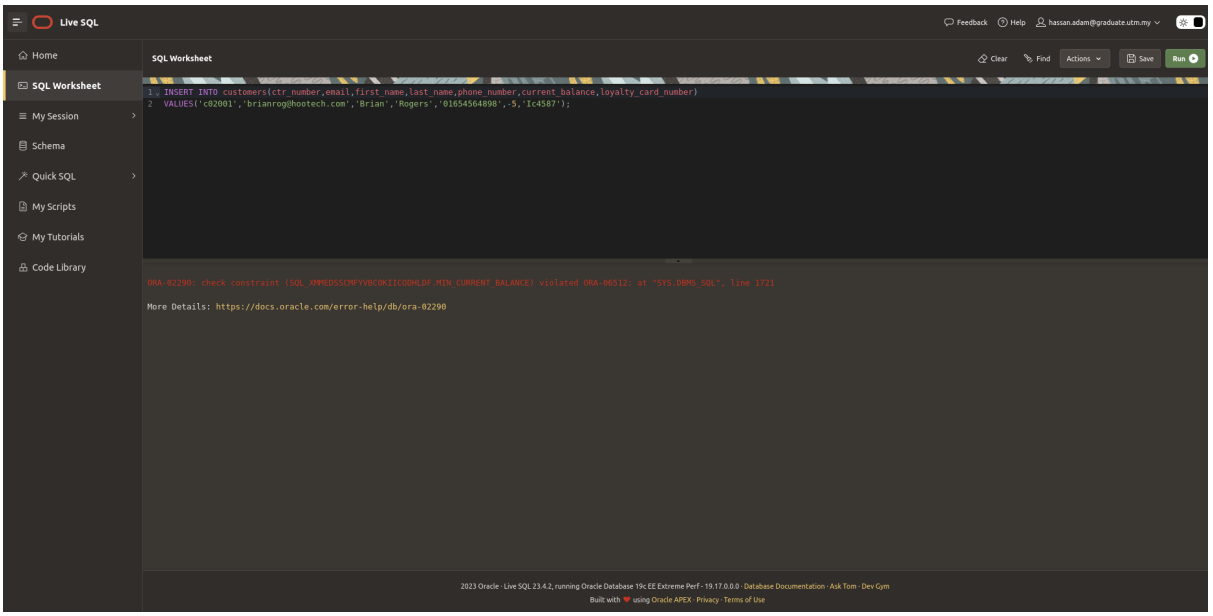


Part 2: Inserting rows to the system

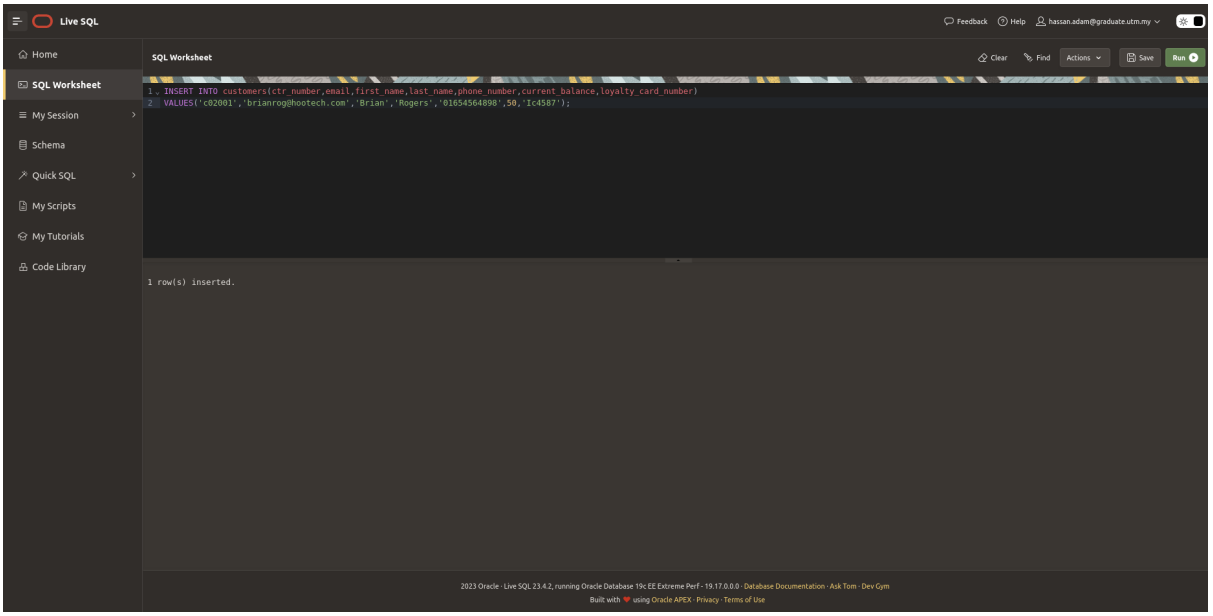
1. Add a new team to the system



2. Add a new Customer with the following details to the system



3. This information violates the check constraint that the current balance must not be less than zero. Change the current balance to 50 and rerun the query.

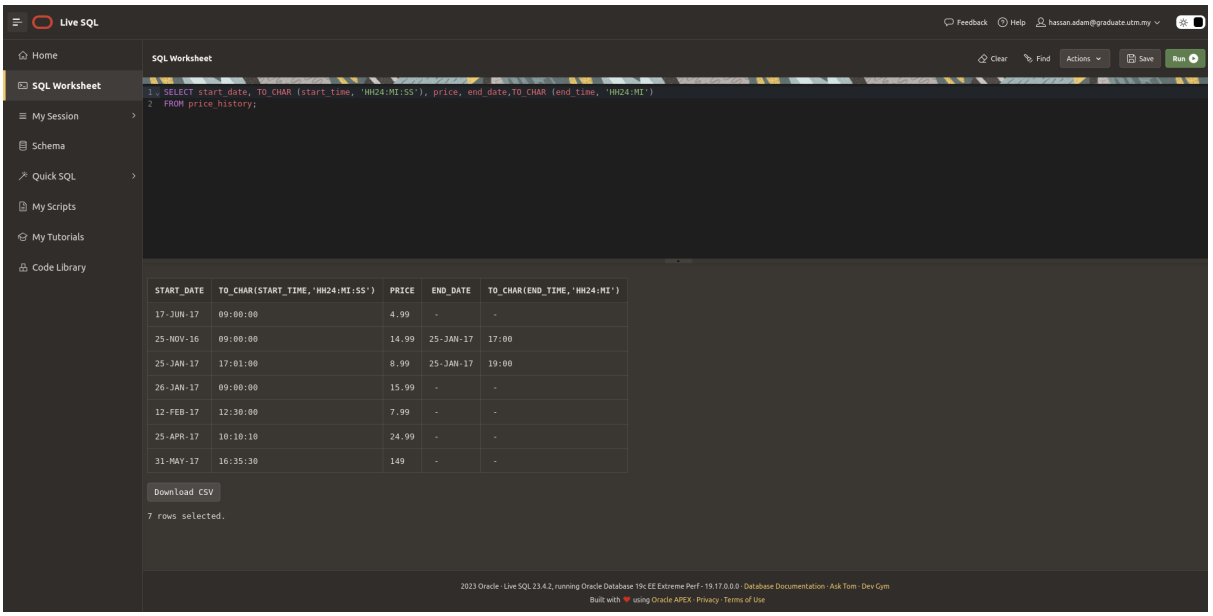


Section 6 Lesson 4 Exercise 2: Data Manipulation Language

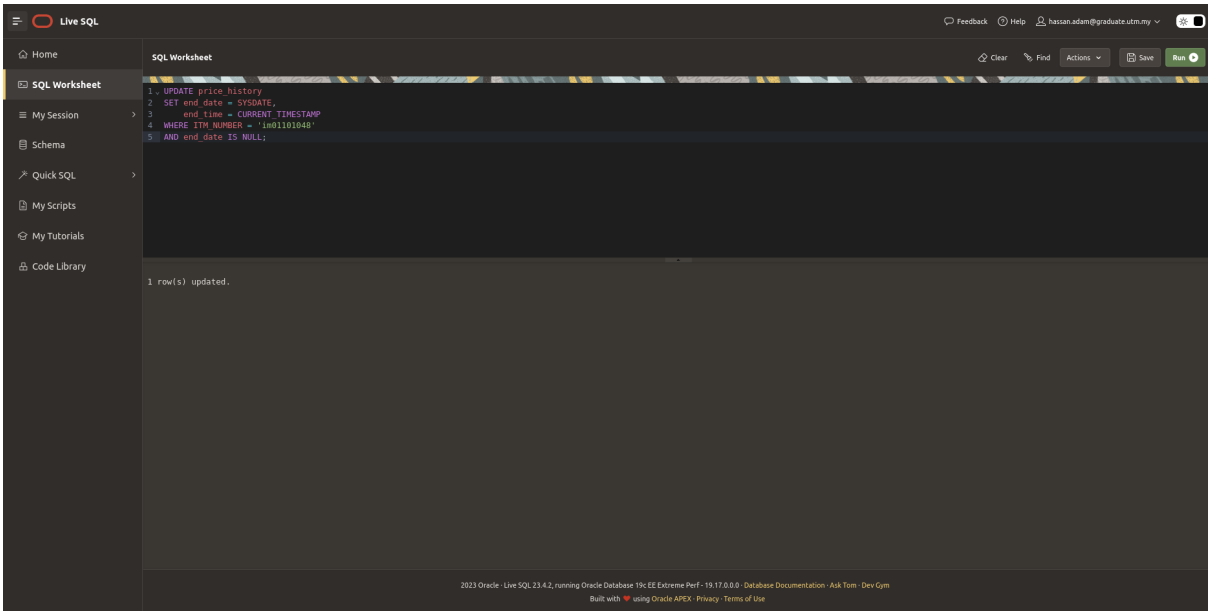
Part 1- Updating rows to the system

1. Run the following query to view the content of the price_history table:

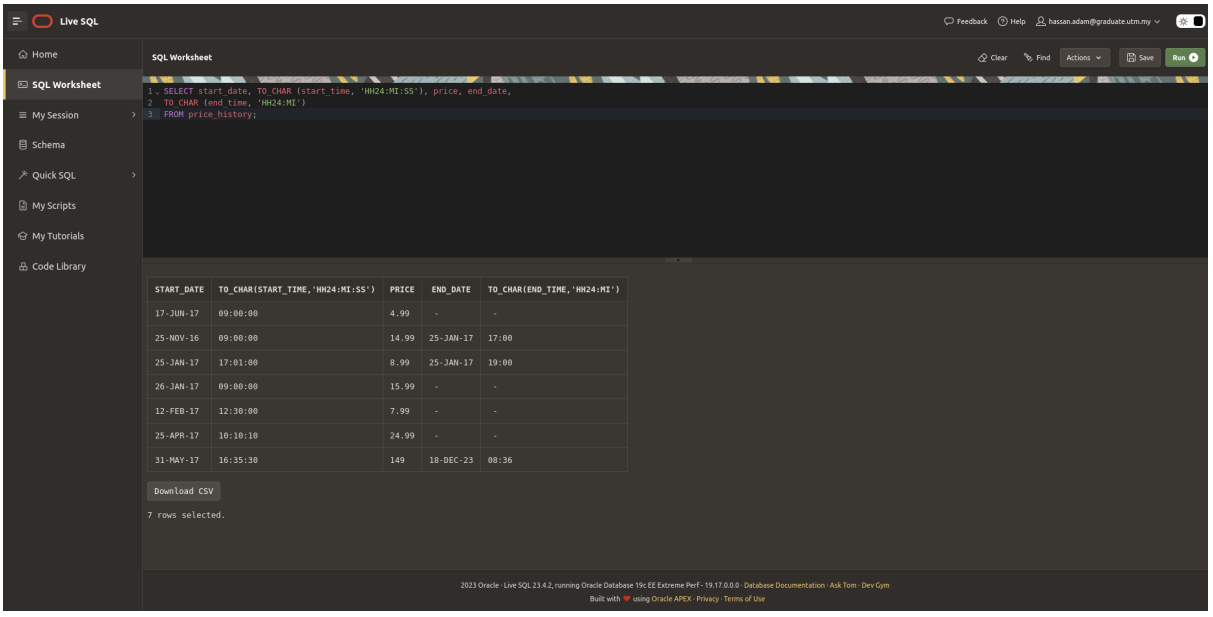
SELECT start_date, TO_CHAR (start_time, 'HH24:MI:SS'), price, end_date,
TO_CHAR (end_time, 'HH24:MI')
FROM price_history;



2. Obl is going to update the price of the premium bat so you will need to write a query that will close off the current price by adding the system date values to the end_date and end_time fields. To run this query you will need to both match the item number and identify that the end date is null. This ensures that you are updating the latest price.

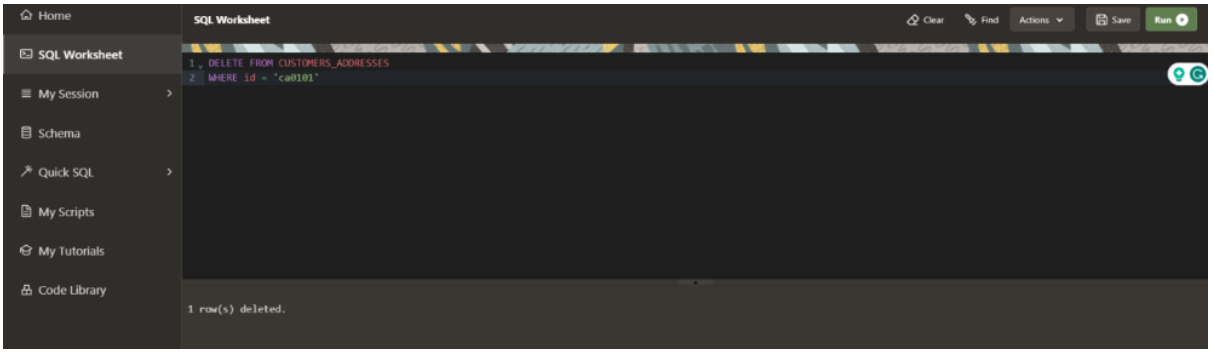


3. rerun the select statement on the price_history table to ensure that the statement has been executed.



Part 2: Deleting rows from the system

1. Bob Thornberry has contacted Obl to ask that the 83 Barrhill Drive address be removed from the system as he can longer receive parcels at this address. Write a SQL statement that will remove this address from the system.



2. Run a select statement on the customers_addresses table to ensure that the statement has been executed