UTM

UNIVERSITI TEKNOLOGI MALAYSIA

SECD2523
DATABASE

SECTION 10

SQL LAB 2 - DML 1 PART 2

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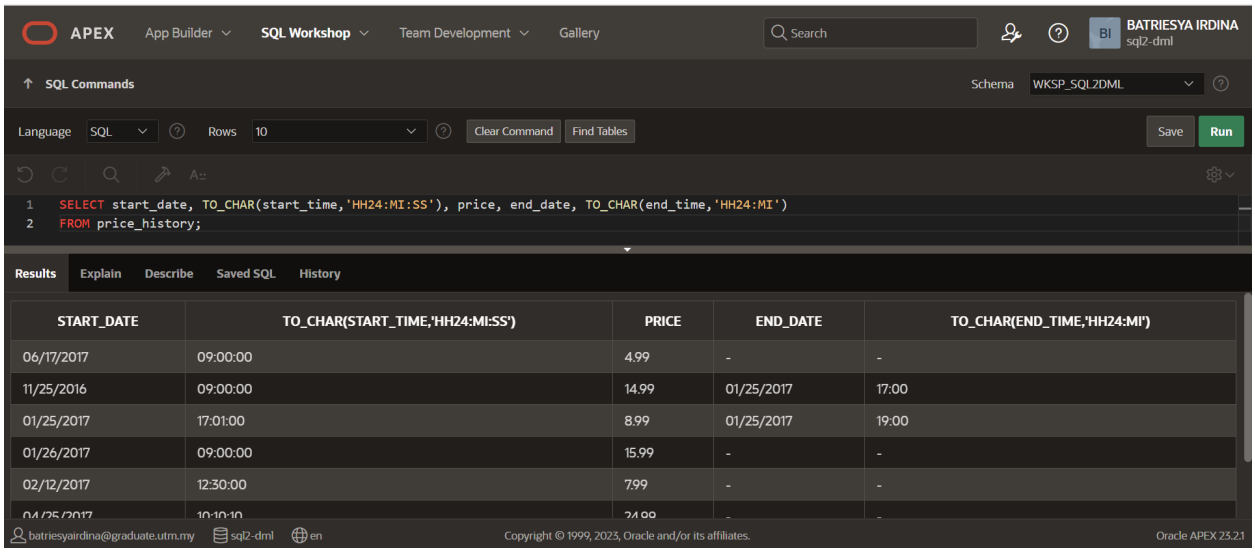
Section 6 Lesson 4 Exercise 2: Data Manipulation Language
Use DML operations to manage database tables (S6L4 Objective 2)

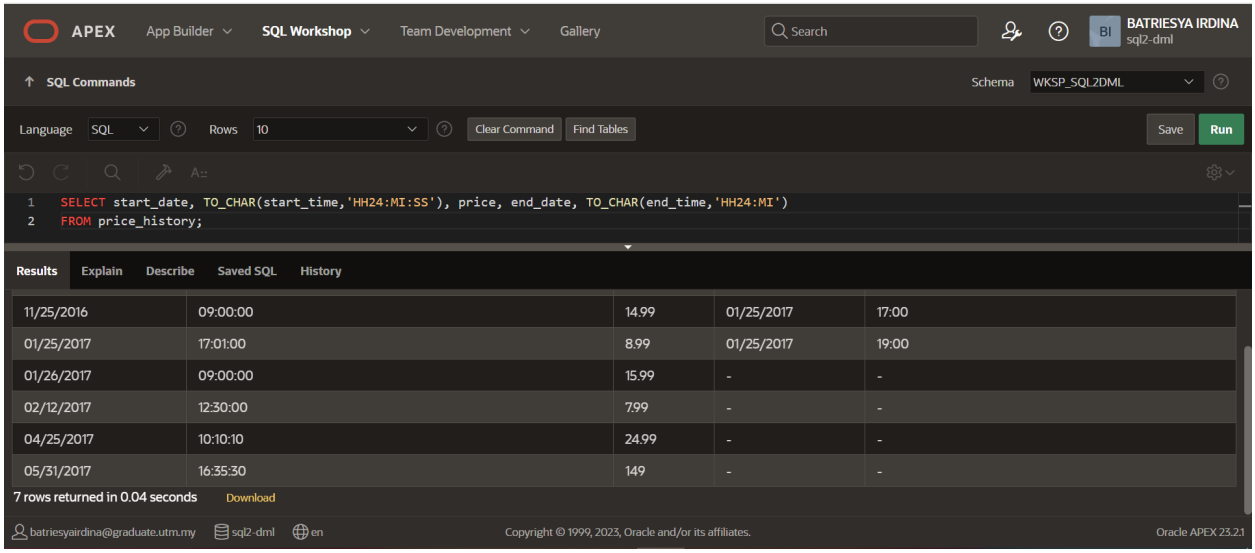
In this exercise, you will populate and work with the data that is stored in the database system

Part 1: Updating Rows to the System

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

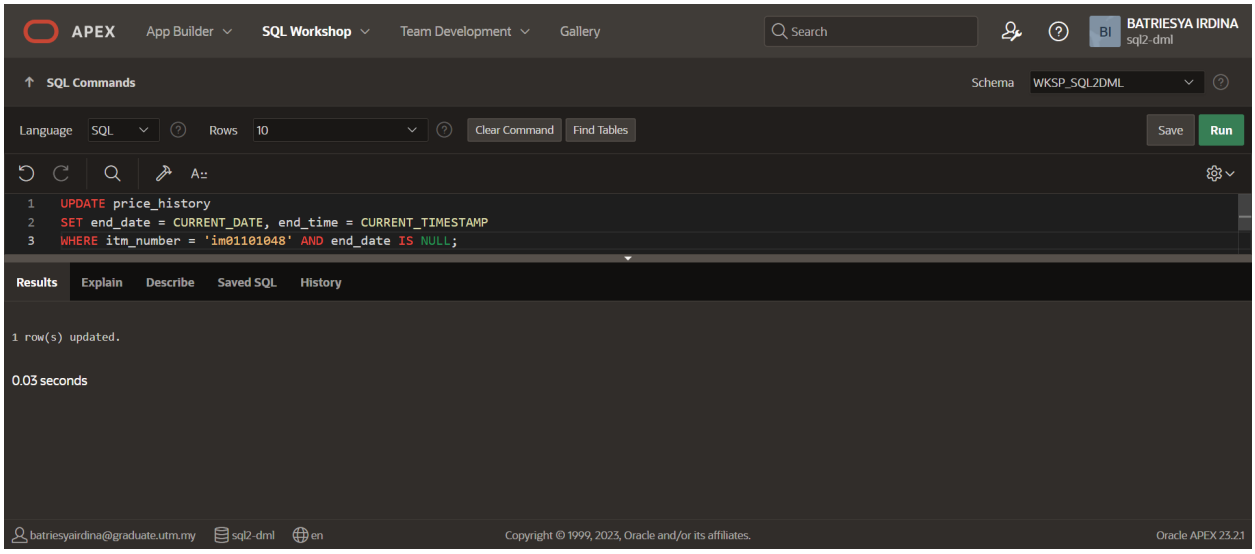
SELECT start_date, TO_CHAR(start_time,'HH24:MI:SS'), price, end_date, TO_CHAR(end_time,'HH24:MI')
FROM price_history;

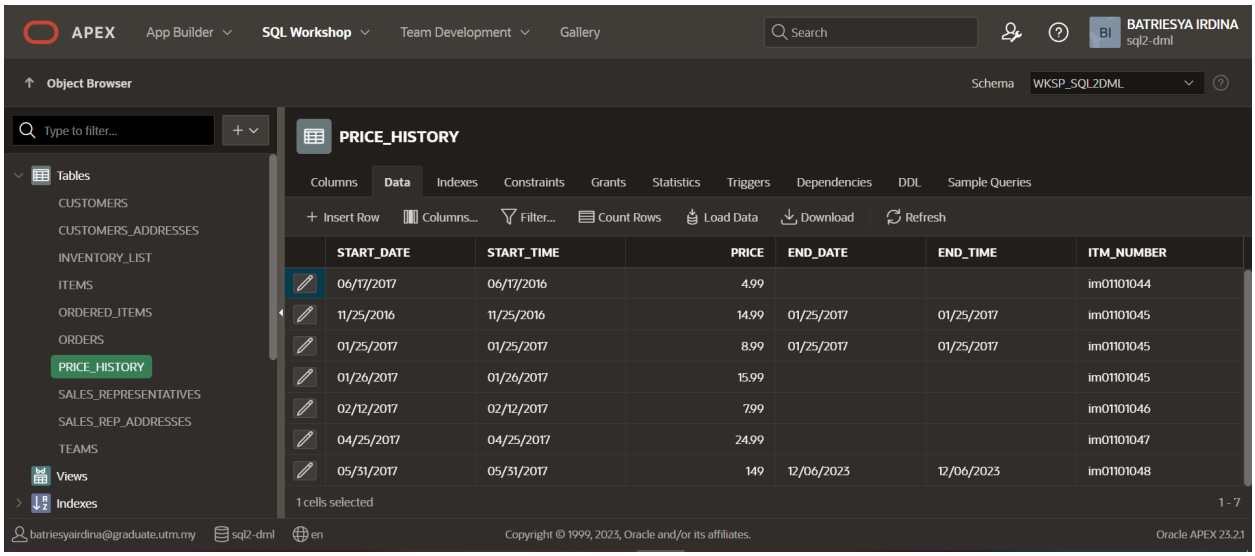




2. OBL is going to update the price of the premium bat so you will need to write a query that will close off the current price by adding the system date values to the end_date and end_time fields. To run this query you will need to both match the item number and identify that the end date is null. This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

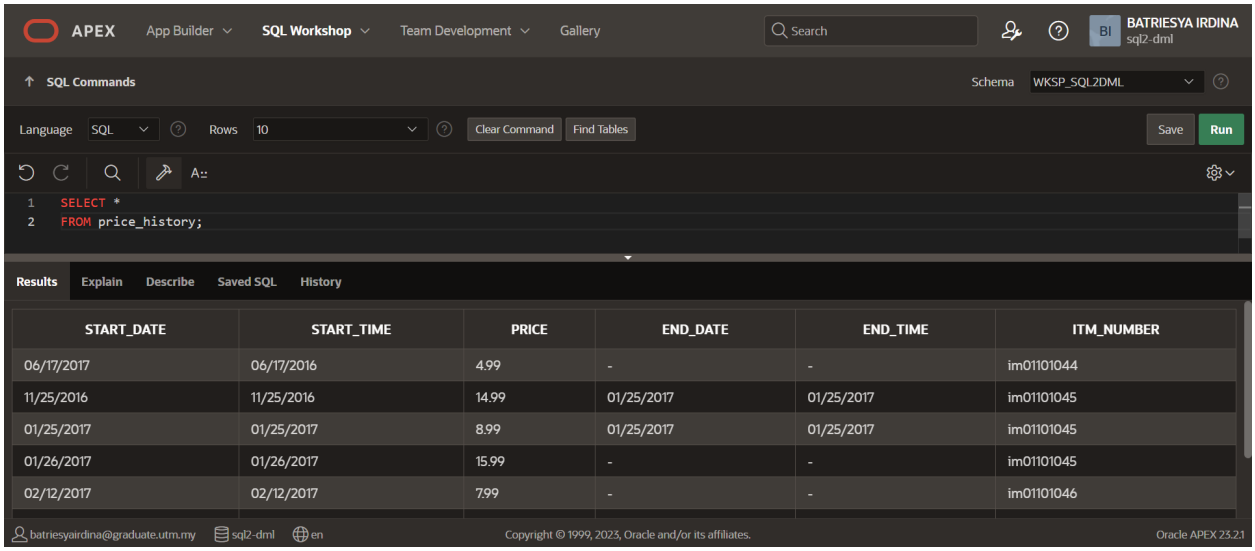
   - **UPDATE price_history**
     SET end_date = CURRENT_DATE, end_time = CURRENT_TIMESTAMP
     WHERE itm_number = 'im01101048' AND end_date IS NULL;

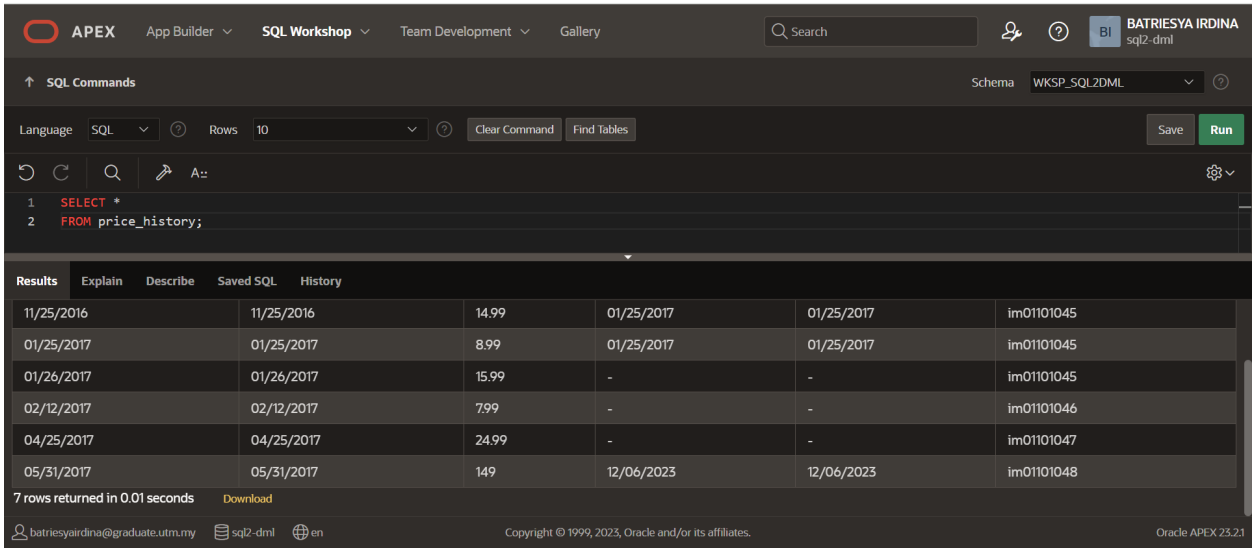




3. Return the select statement on the price_history table to ensure that the statement has been executed.

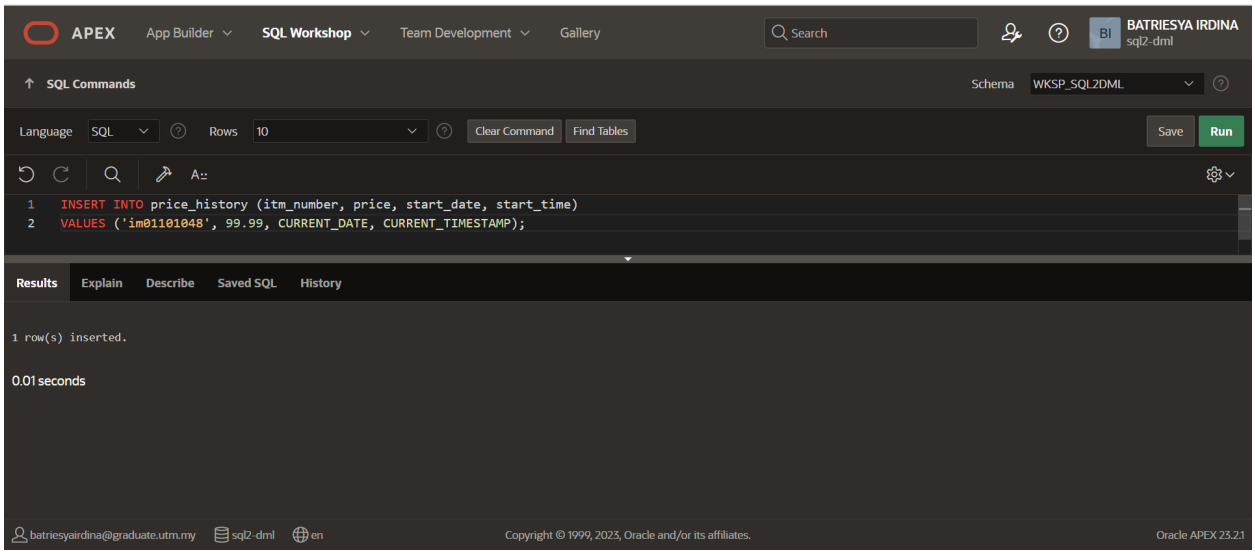
   - **SELECT ***
     FROM price_history;





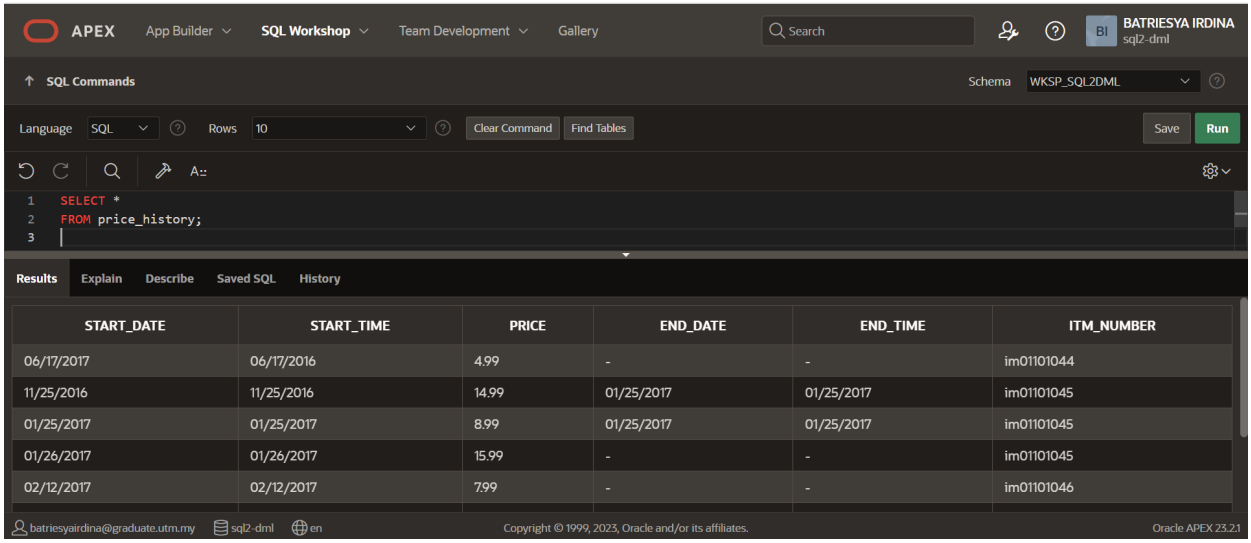
4. Insert a new row that will use the current date and time to set the new price of the premium bat to be 99.99.

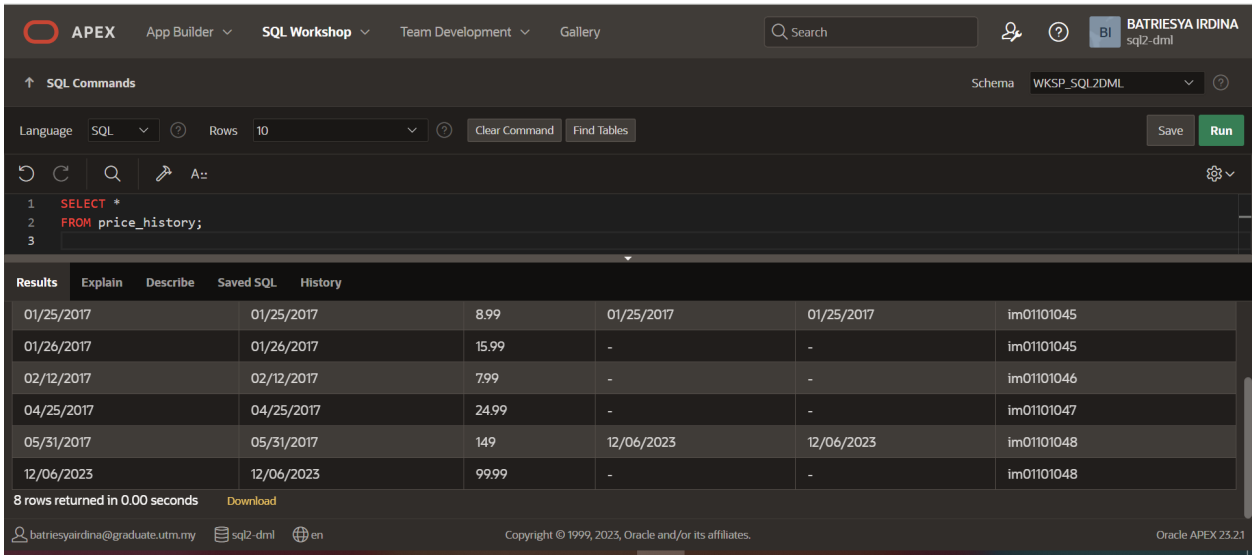
    - **INSERT INTO price_history (itm_number, price, start_date, start_time) VALUE (‘im01101048’, 99.99, CURRENT_DATE, CURRENT_TIMESTAMP);**

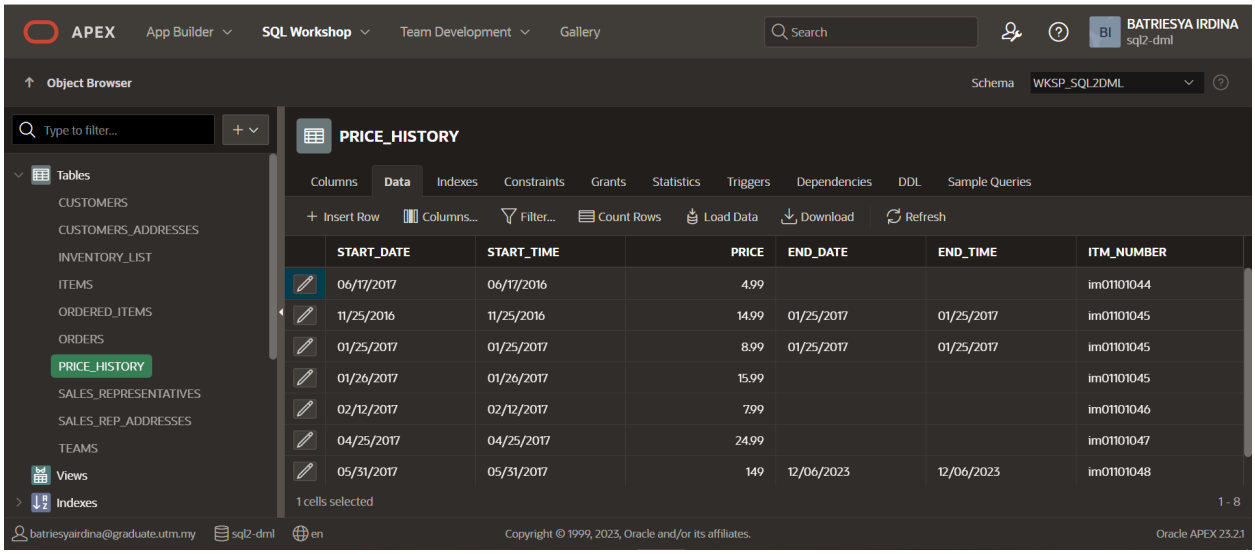


5. Return the select statement on the price_history table to ensure that the statement has been executed.

   - **SELECT *
     FROM price_history;**



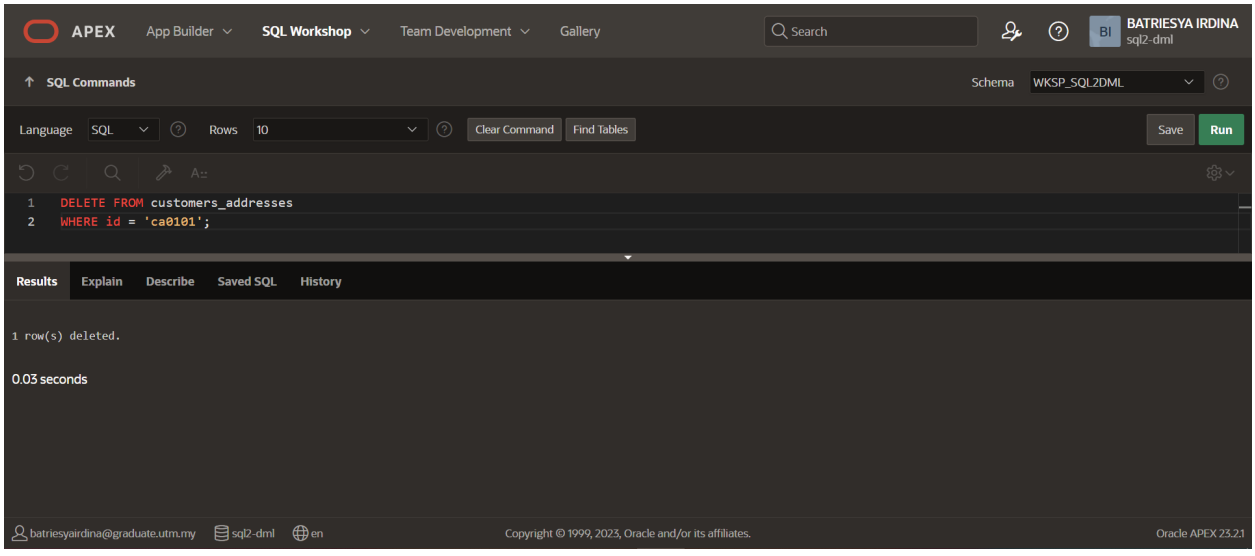




Part 2: Deleting Rows from the System

1. Bob Thornberry has contacted obl to ask that the 83 Barhill 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.

    - **DELETE FROM customers_addresses**
      WHERE id = 'ca0101';



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

   - **SELECT *
     FROM customers_addresses;**