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SEMESTER 1, SESSION 2023/2024

LAB 2 – DML 1 PART 2

SECD2523: DATABASE

SECTION 10

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MATRIC NUMBER: A23CS5008

LECTURER'S NAME: Mrs. ROZILAWATI BINTI DOLLAH

Section 6 Lesson 4 Exercise 2: Data Manipulation Language

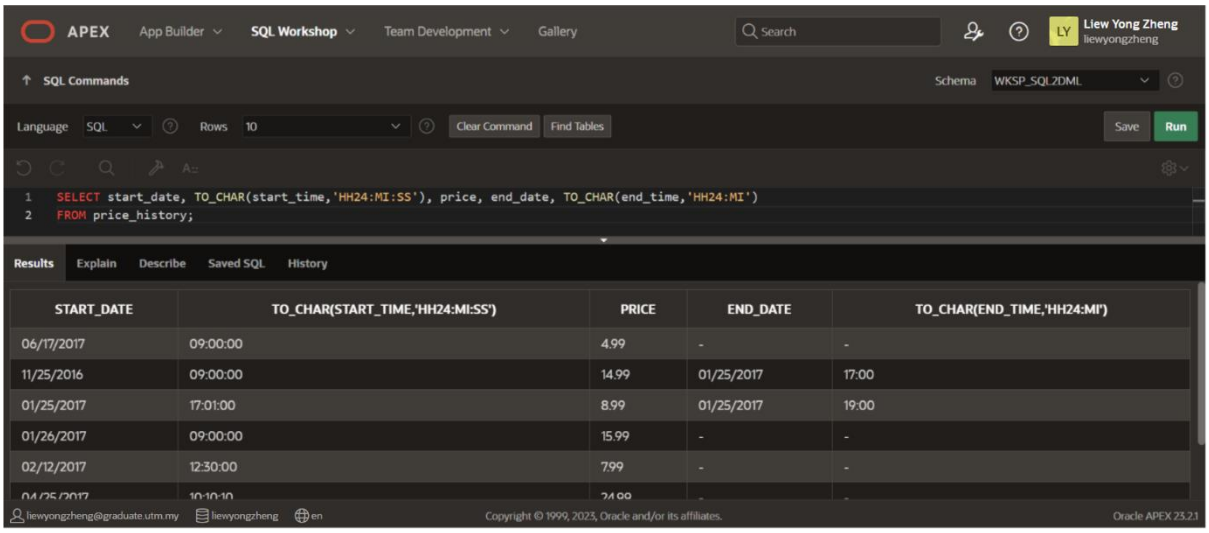
Use DML operations to manage database tables (S6L4 Objective 2)

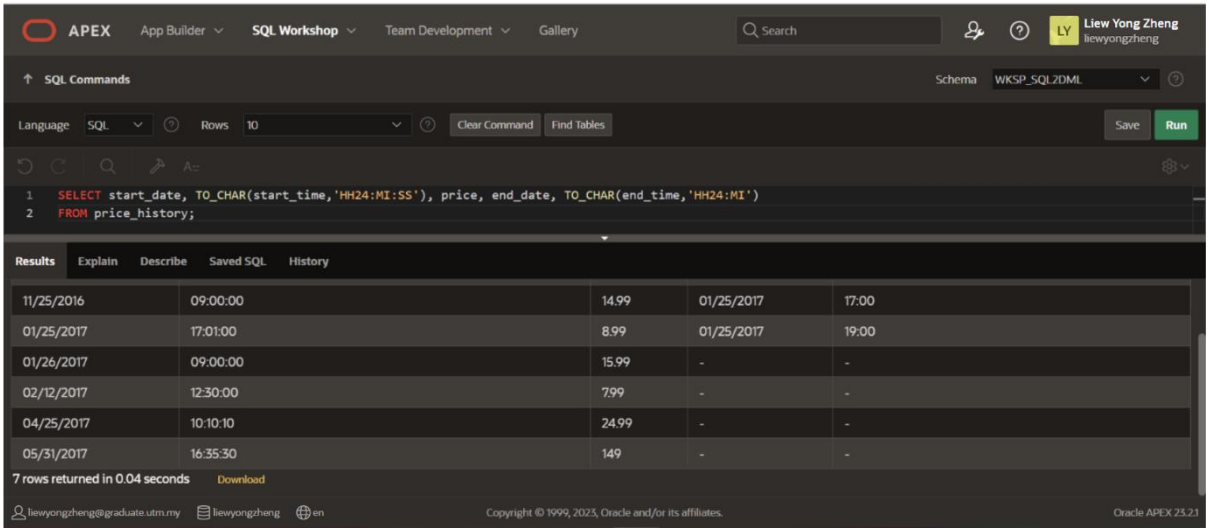
In this exercise you will populate and work with the data that is stored in the database system.

Part 1- Updating rows to the system

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

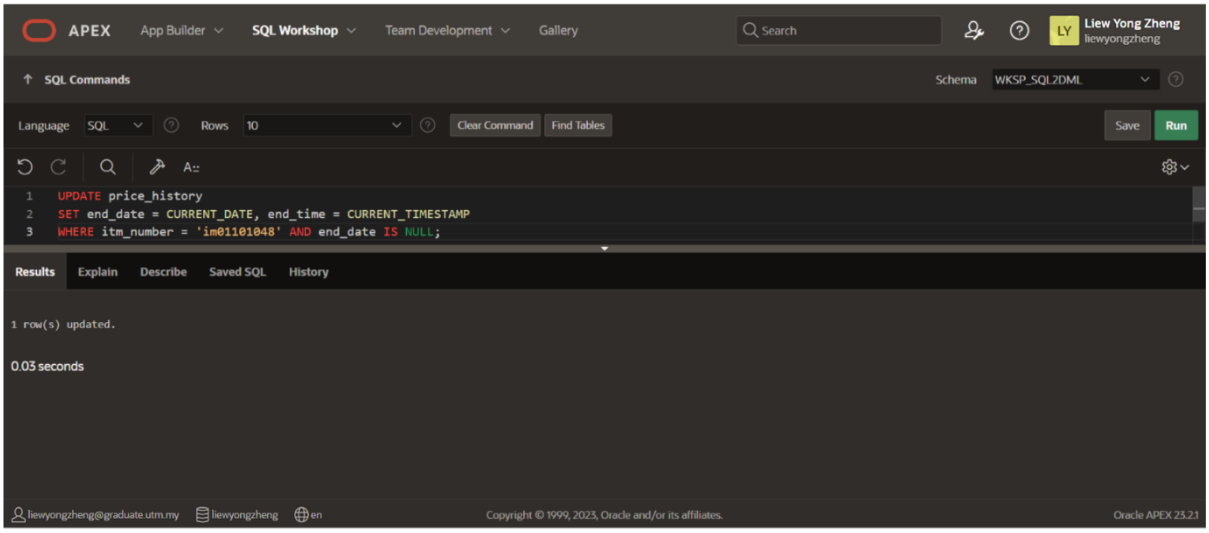
   SELECT start_date, TO_CHAR (start_time, 'HH24:MI:SS'), price, end_date, TO_CHAR (end_time, 'HH24:MI') FROM price_history;

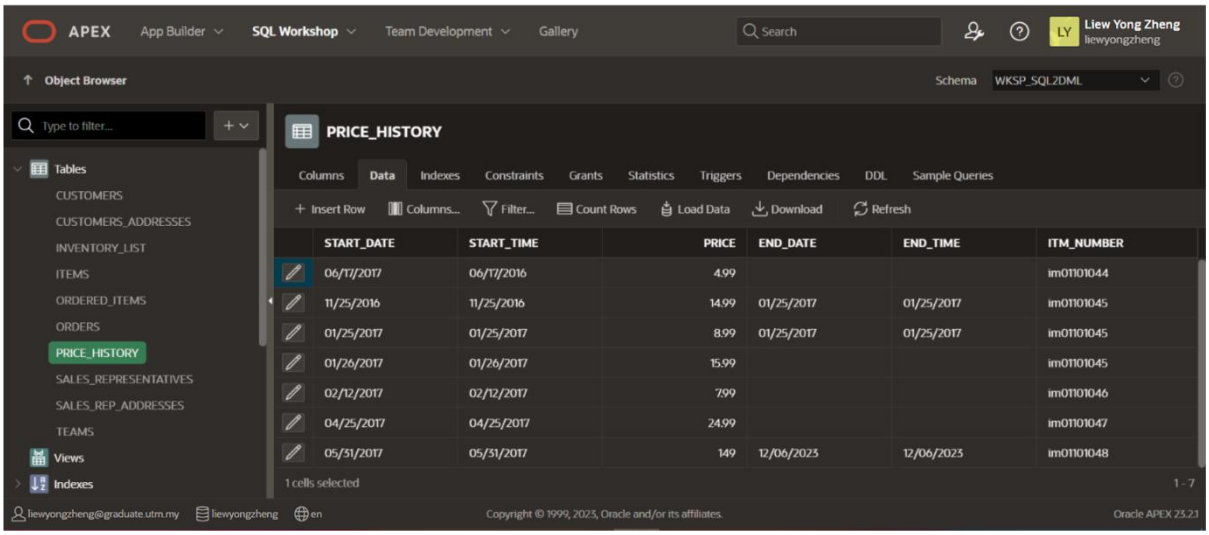




2. Obl is going to update the price of the premium bat so you will need to write a query that will close off the current price by adding the system date values to the end_date and end_time fields. To run this query you will need to both match the item number and identify that the end date is null. This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

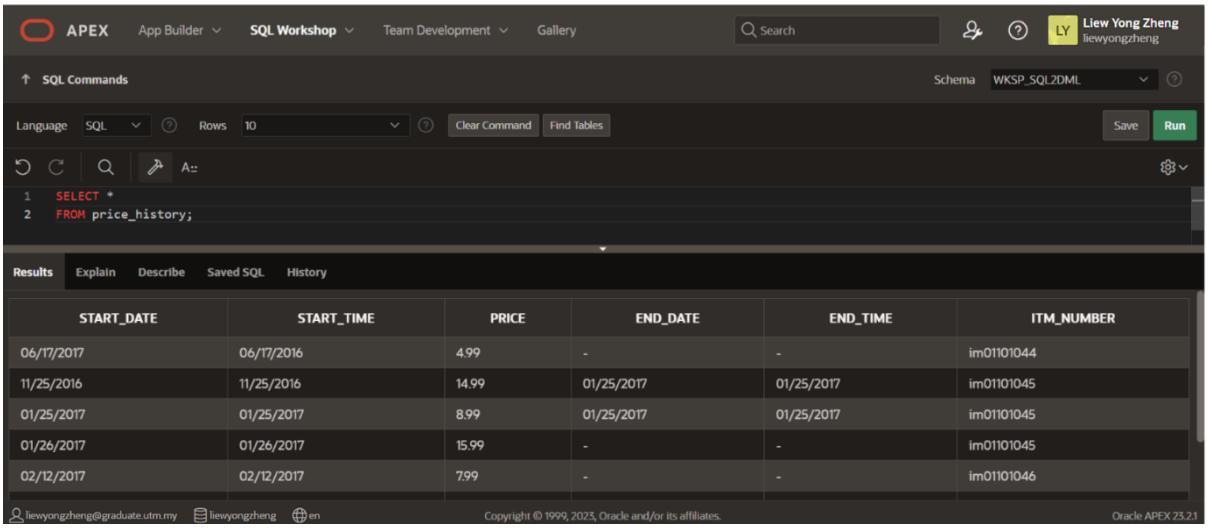
   Ans: UPDATE price_history
   SET end_date = CURRENT_DATE, end_time = CURRENT_TIMESTAMP
   WHERE itm_number = ‘tm01101048’ AND end_date IS NULL;

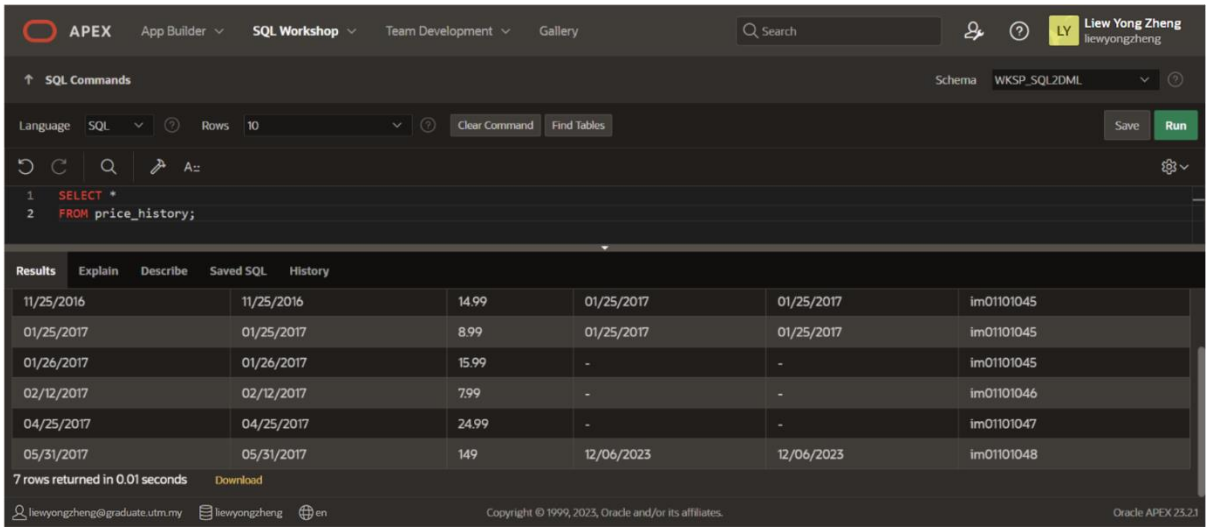




3. Rerun the select statement on the price_history table to ensure that the statement has been executed.

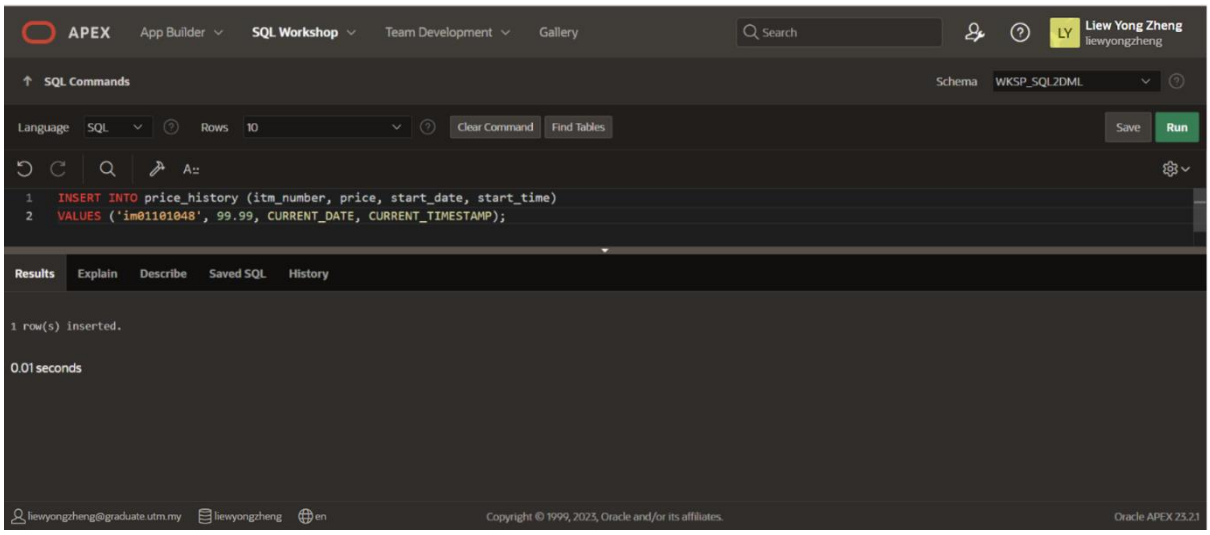
Ans: SELECT *
FROM price_history;





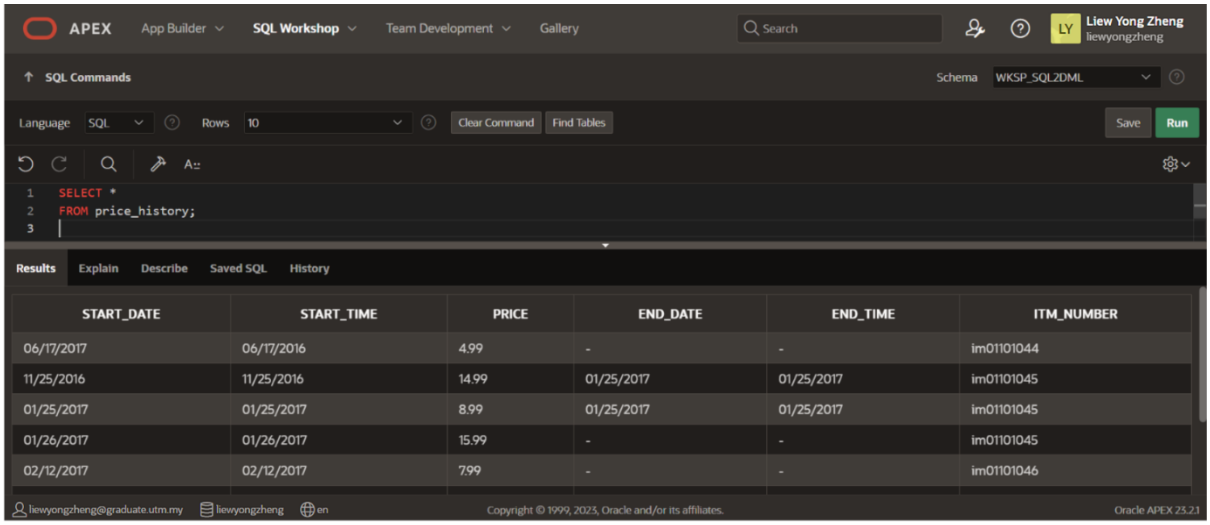
4. Insert a new row that will use the current date and time to set the new price of the premium bat to be 99.99.

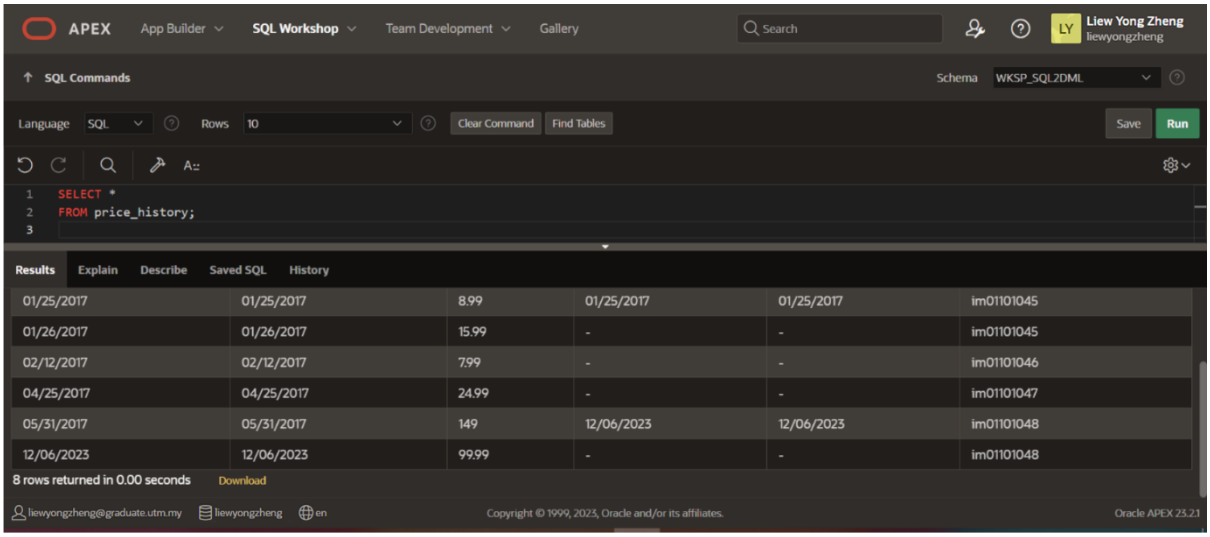
   Ans: INSERT INTO price_history (itm_number, price, start_date, start_time)
   VALUE ('im01101048', 99.99, CURRENT_DATE, CURRENT_TIMESTAMP);



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

   Ans: SELECT *
   FROM price_history;

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SQL Commands
Schema
WKSP_SQL2DML
Language
SQL
Rows
10
Clear Command
Find Tables
Save
Run
1 SELECT *
2 FROM price_history;
3
Results
Explain
Describe
Saved SQL
History
01/25/2017 01/25/2017 8.99 01/25/2017 01/25/2017 im01101045
01/26/2017 01/26/2017 15.99 - - im01101045
02/12/2017 02/12/2017 7.99 - - im01101046
04/25/2017 04/25/2017 24.99 - - im01101047
05/31/2017 05/31/2017 149 12/06/2023 12/06/2023 im01101048
12/06/2023 12/06/2023 99.99 - - im01101048
8 rows returned in 0.00 seconds
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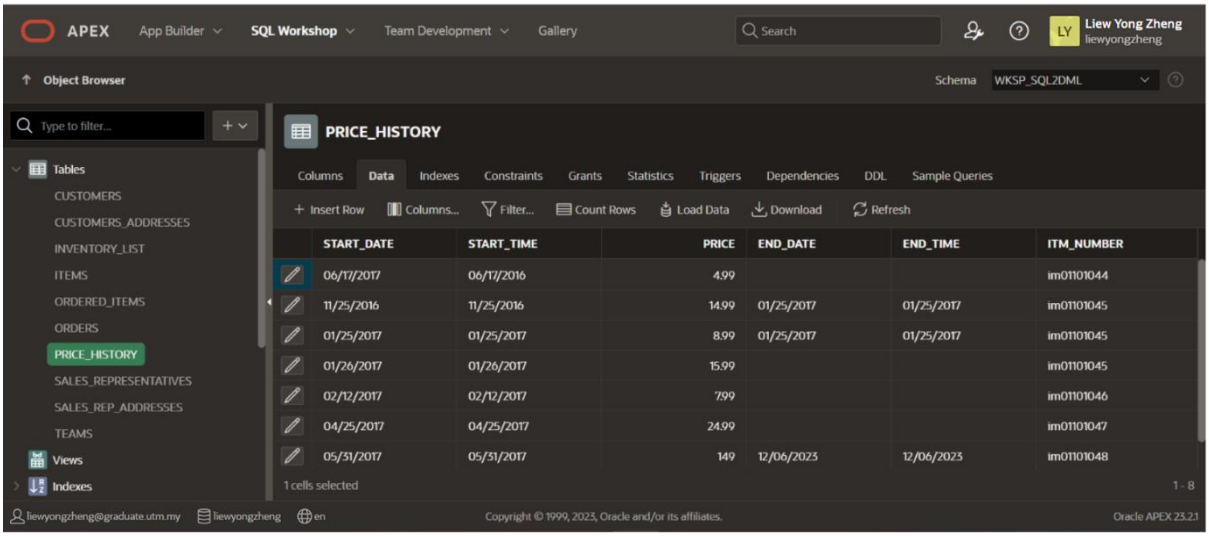
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WKSP_SQL2DML
Type to filter...
Tables
CUSTOMERS
CUSTOMERS_ADDRESSES
INVENTORY_LIST
ITEMS
ORDERED_ITEMS
ORDERS
PRICE_HISTORY
SALES_REPRESENTATIVES
SALES_REP_ADDRESSES
TEAMS
Views
Indexes
PRICE_HISTORY
Columns
Data
Indexes
Constraints
Grants
Statistics
Triggers
Dependencies
DDL
Sample Queries
Insert Row
Columns...
Filter...
Count Rows
Load Data
Download
Refresh
START_DATE START_TIME PRICE END_DATE END_TIME ITM_NUMBER
06/17/2017 06/17/2016 4.99 im01101044
11/25/2016 11/25/2016 14.99 01/25/2017 01/25/2017 im01101045
01/25/2017 01/25/2017 8.99 01/25/2017 01/25/2017 im01101045
01/26/2017 01/26/2017 15.99 im01101045
02/12/2017 02/12/2017 7.99 im01101046
04/25/2017 04/25/2017 24.99 im01101047
05/31/2017 05/31/2017 149 12/06/2023 12/06/2023 im01101048
1 cells selected
1 - 8
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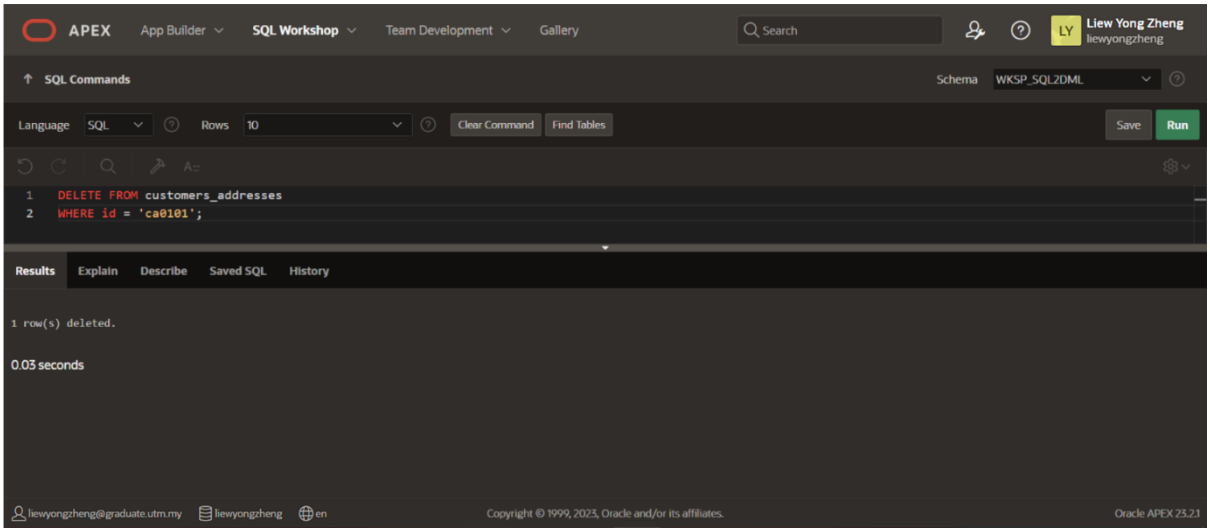
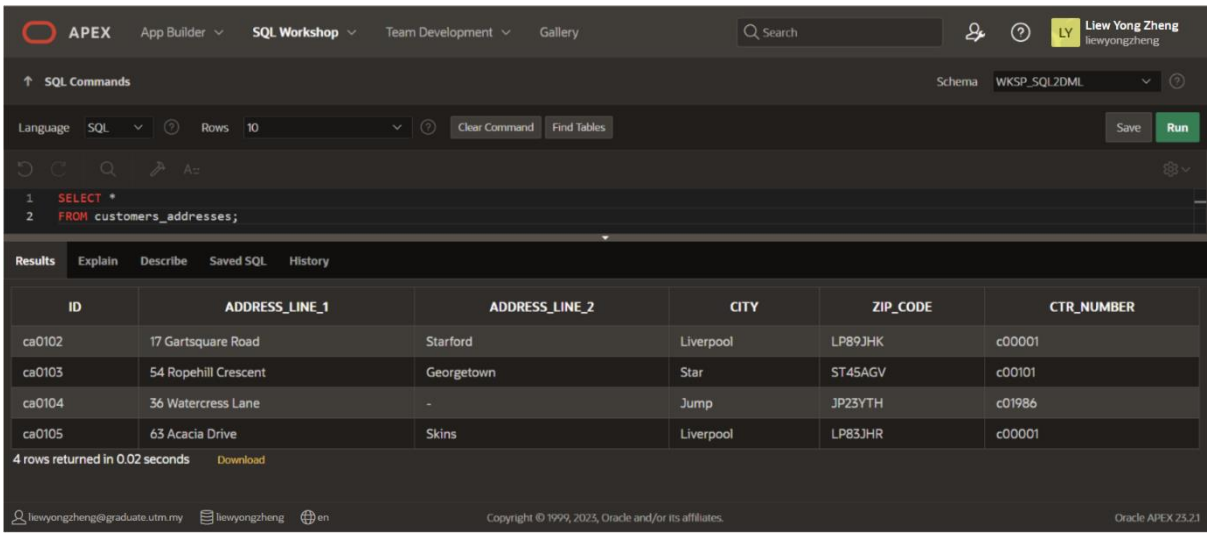
Part 2: Deleting rows from the system

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.

   Ans: DELETE FROM customer_addresses
   WHERE id = ‘ca0101’;



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

   Ans: SELECT *
   FROM customers_addresses;