

#### **SESSION 2023/2024 SEMESTER 1**

SECD2523 DATABASE

**LAB EXERCISE: SQL DML1** 

# NAME NURAISYA SALSABILA BINTI MOHD FADZAL

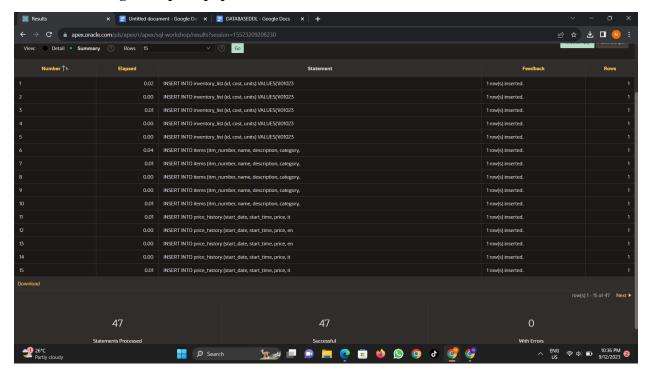
MATRIC NO A22EC0249

LECTURER'S NAME
DR. ROZILAWATI BINTI DOLLAH

**SECTION** 

### Section 6 Lesson 4 Exercise 1: Data Manipulation Language

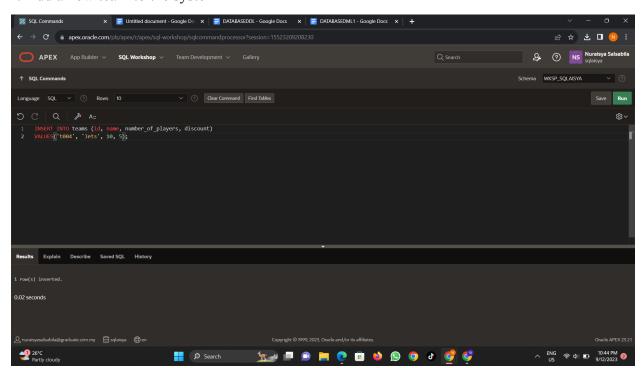
## Part 1: Running a script to populate the tables.



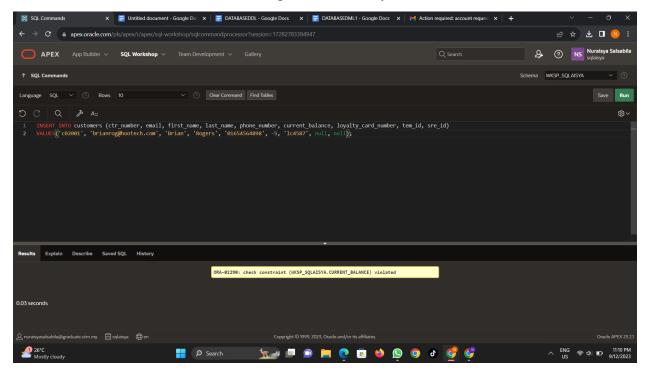
There is no error.

#### Part 2: Inserting rows to the system

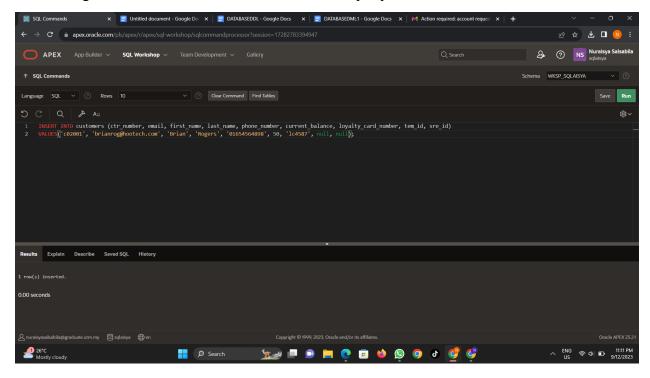
1. Add a new team to the system



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



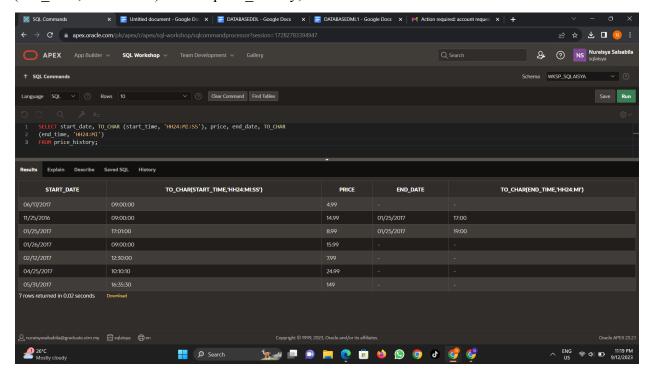
3. This information violates the check constraint that the current balance must not be less than zero. Change the current balance to 50 and rerun the query.



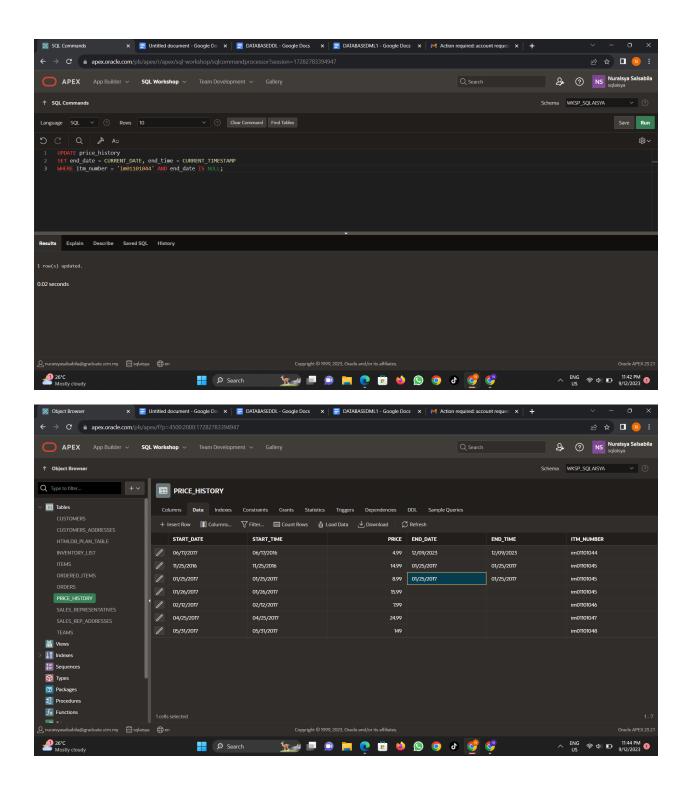
#### Section 6 Lesson 4 Exercise 2: Data Manipulation Language

#### Part 1- Updating rows to the system

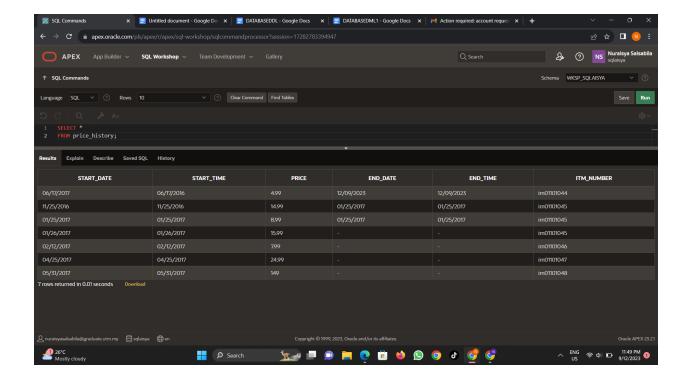
1. Run the following query to view the content of the price\_history table: SELECT start\_date, TO\_CHAR (start\_time, 'HH24:MI:SS'), price, end\_date, TO\_CHAR (end\_time, 'HH24:MI') FROM price\_history;



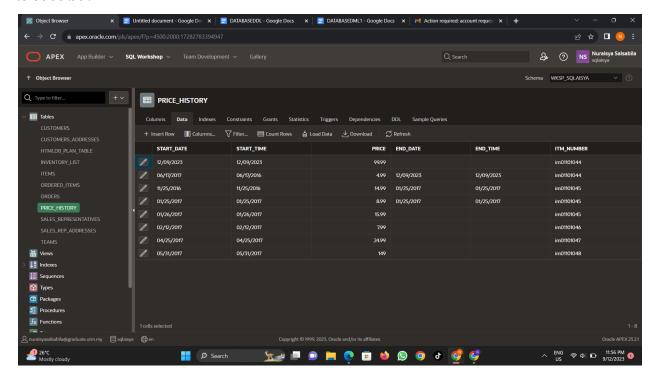
2. Obl is going to update the price of the premium bat so you will need to write a query that will close off the current price by adding the system date values to the end\_date and end\_time fields. To run this query you will need to both match the item number and identify that the end date is null.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



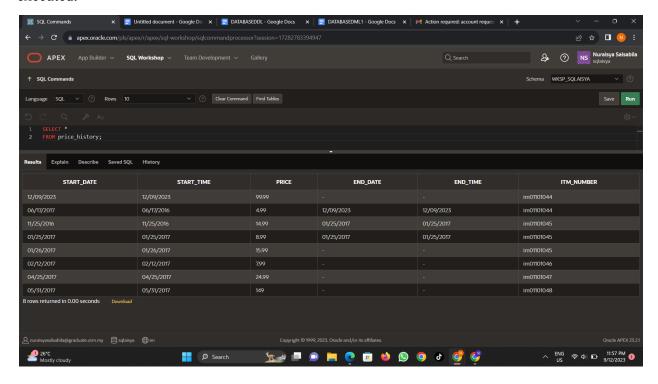
3. Rerun the select statement on the price\_history table to ensure that the statement has been executed.



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.

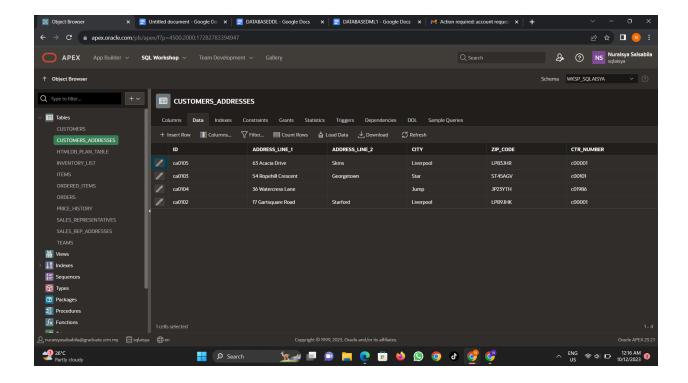


5. Rerun the select statement on the price\_history table to ensure that the statement has been executed.



## 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.

