

SECD2523-DATABASE

SQL1-DDL

NAME: KHAIRUNNISA BINTI ROSLAN

COURSE: BACHELOR OF COMPUTER SCIENCE (BIOINFORMATICS)

SECTION: 01

GROUP : 3

LECTURER: DR HASLINA HASHIM

DATE OF SUBMISSION: 8 NOVEMBER 2023

PART 1

- 1. How many tables have been created using the CREATE TABLE statement?

 Ten tables.
- 2. How many columns are created for the price history table? Six columns.
- 3. What statement is used to enforce the constraint that the category column of the items table must have a value?

NOT NULL.

4. What is the name of the foreign key constraint between the customers and customer addresses tables?

ctr_number.

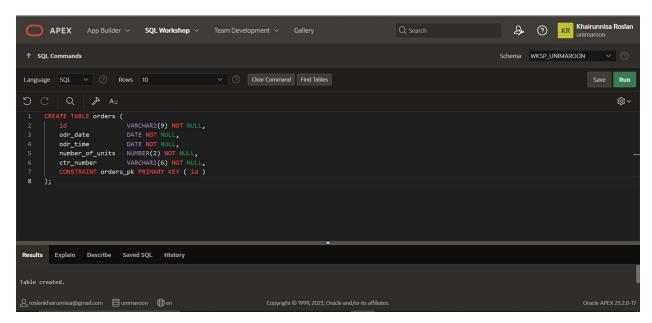
- 5. What are the lowest and highest values that can be stored in the price column for the commision_rate column for the sales_representatives table? The lowest is zero and the highest is 99.
- 6. What are the lowest and highest values that can be stored in the price column for the price_history table?
 The lowest value for a NUMBER(7,2) data type is -99999.99 and the highest value is 99999.99.
- 7. What are the 3 columns that make up the primary key for the price_history table?

They are itm number, start date, and start time.

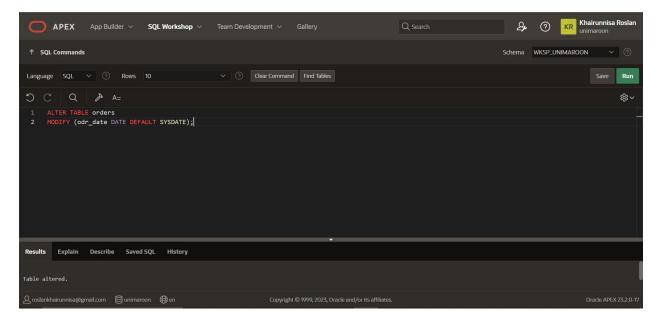
PART 2

Modifying a column:

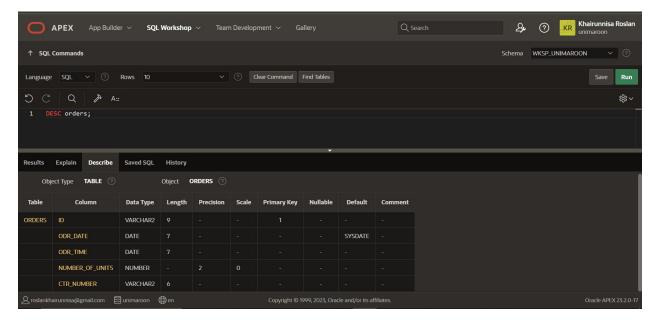
1. Run the DESCRIBE command on the orders table to view its structure



2. **Task**: Add default constraint that will use today's date to assign a value to the odr_date column of the orders table if no data is provided

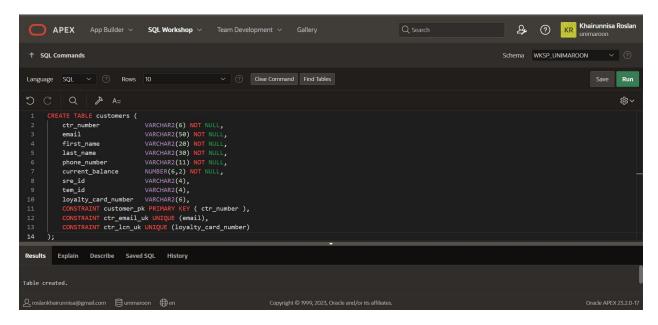


3. Run the DESCRIBE command again to verify the command was successful



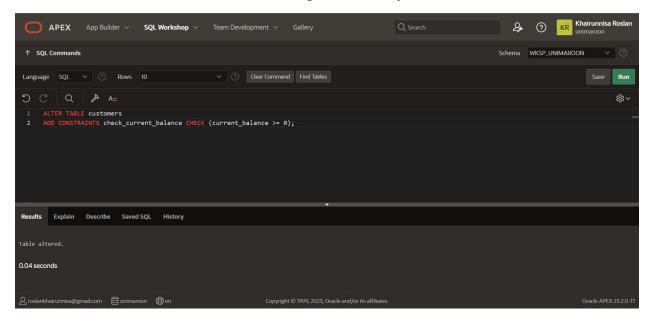
Adding a check constraint:

1. Run the DESCRIBE command on the orders table to view its structure

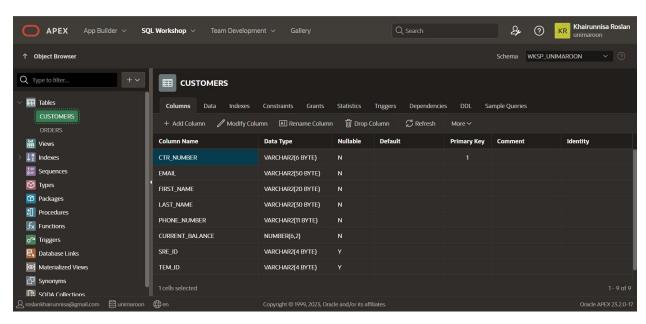


2. Task: Add a check constraint that will not allow the customers current balance to go below zero

3. Run the DESCRIBE command again to verify the command was successful

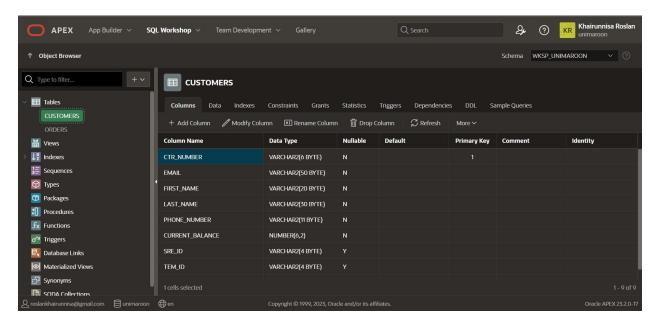


4. A check constraint is not shown in the results of a describe command

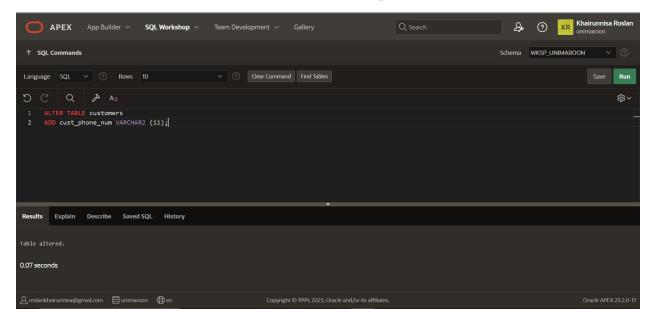


Adding column

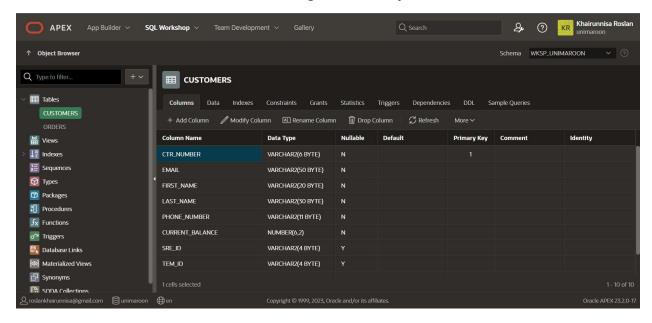
1. Run the DESCRIBE command on the orders table to view its structure



2. Task: Add column that will satisfy the clients requirements

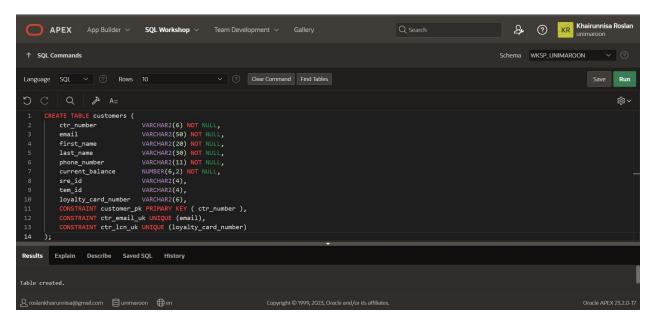


3. Run the DESCRIBE command again to verify the command was successful

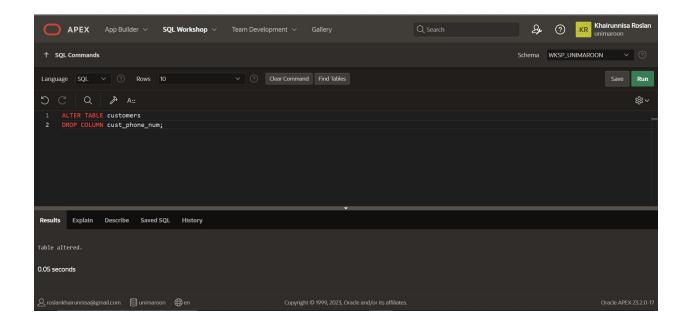


Dropping a column

1. Run the DESCRIBE command on the orders table to view its structure



2. Task: Drop column that was created to store the mobile phone number



3. Run the DESCRIBE command again to verify the command was successful

