

## SECD2523 - 08 Database

# SEMESTER I, SESSION 2023/2024

LAB 1 – DDL

Lecturer: Dr. Noor Hidayah Zakaria

NAME	MATRIC NO
SOHAIB BELAROUSSI	A21EC4057

#### Part 1: Reading information from a script

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

There are 10 tables

2. How many columns are created for the price history table?

There are 6 columns

3. What statement is used to enforce the constraint that the category column of the items

table must have a value?

The constraints is NOT NULL

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

The foreign key is: customer\_address\_customer\_fk

5. What are the lowest and highest values that can be stored in the commission rate column for the sales representatives table?

The Lowest value is -99, and the Highest value 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 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?

The 3 columns are:

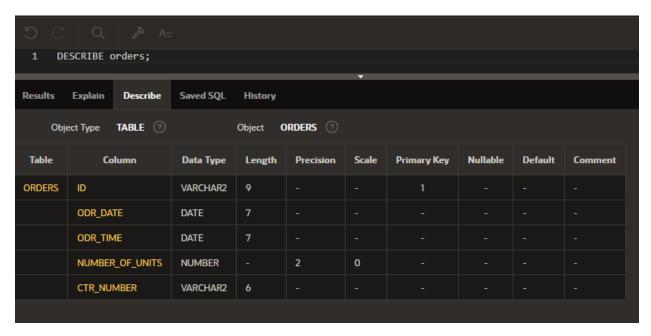
itm\_number

start\_date

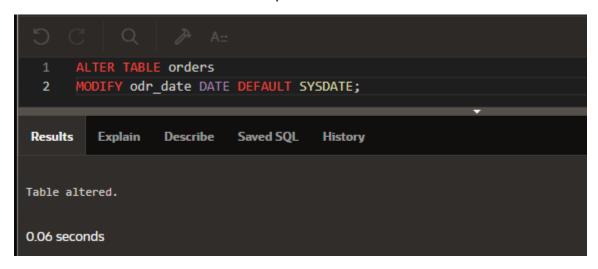
start\_time

#### **Part 2: Updating Constraints**

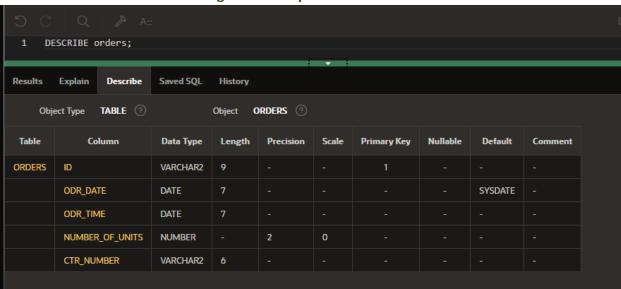
1. Run the DESCRIBE command on the orders table to view its structure.



2. Task: Add a default constraint that will use todays date to assign a value to the odr\_date column of the orders table if no date is provided.

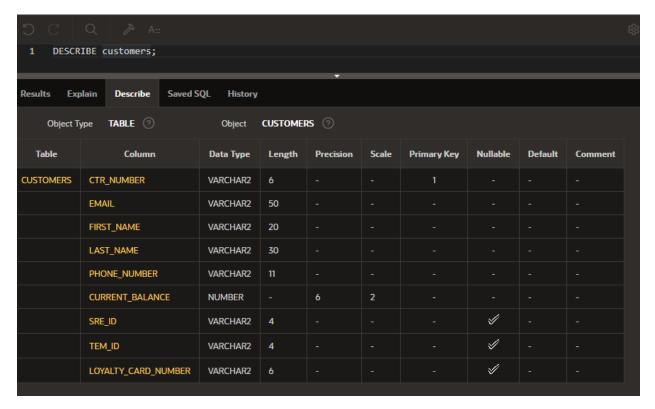


3. Run the DESCRIBE command again to verify the command was successful.

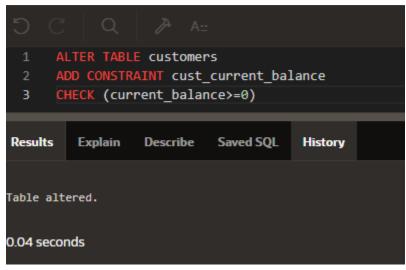


### Adding a check constraint

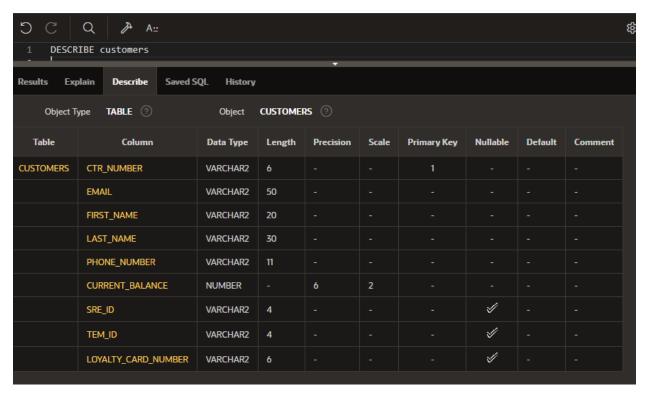
1. Run the DESCRIBE command on the customers table to view its structure.



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
- a. Go to the Object Browser
- b. Select the customers table.
- c. Click on the CONSTRAINTS tab.
- d. You will see your constraint here.

