

UNIVERSITI TEKNOLOGI MALAYSIA FACULTY OF COMPUTING SEMESTER I, SESION 2023/2024

LAB EXERCISE 1: DDL

SECD2523 – DATABASE

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Section 6 Lesson 3 Exercise : Data Definition Language

Use DDL to build and maintain database tables (S6L3 Objective 3)

Part 1: Reading information from a script

In this exercise you will use the "obl Sports.ddl" file to consolidate your knowledge of DDL.

Open the "obl Sports.ddl" in a text editor.

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

A: 10 tables

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

A: 6 columns

3. What statement is used to enforce the constraint that the category column of the items table must have a value?

A: NOT NULL statement

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

A: 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?

A: Lowest Values: 0, Highest Values: 99

6. What are the lowest and highest values that can be stored in the price column for the price_history table?

A: Lowest Values: 0, Highest Values: 9999999.99

7. What are the 3 columns that make up the primary key for the price_history table?

A: ITM_NUMBER, START_DATE, START_TIME

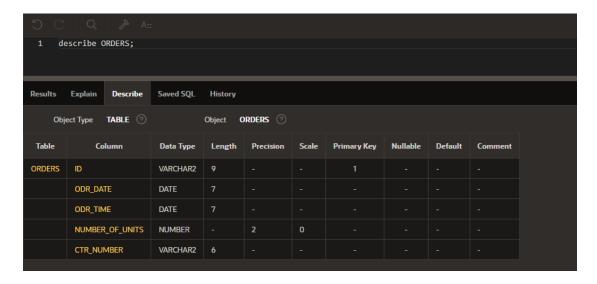
Part 2 : Updating Constraints

Log-in to APEX and go to the SQL commands environment

Modifying a column

- 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.

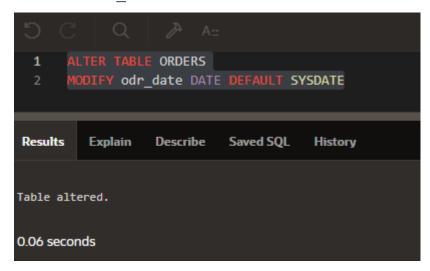
1. ANSWER:



2. ANSWER:

ALTER TABLE ORDERS

MODIFY odr date DATE DEFAULT SYSDATE



3. ANSWER:

