

# SECD2523 - DATABASE SEMESTER 1 2023/24

# LAB 1 SQL1 - DDL

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**SECTION: 01** 

### Part 1

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

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

6 columns

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

NOT NULL constraint

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

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?

-99 to 99

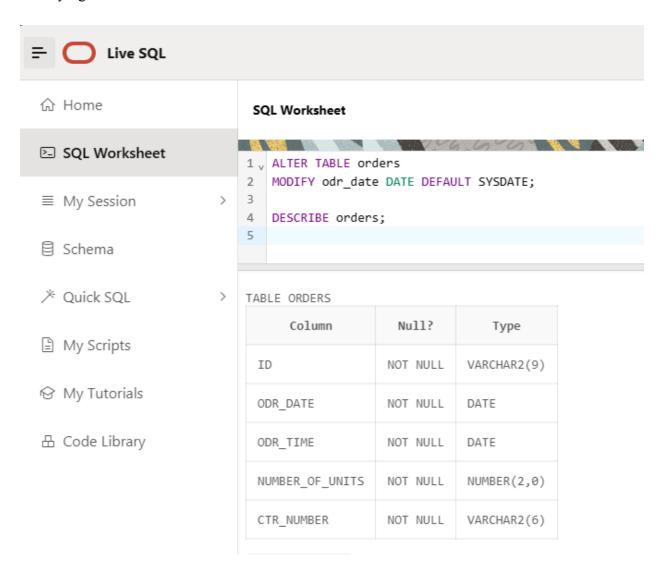
6. What are the lowest and highest values that can be stored in the price column for the price\_history table?

-99999.99 to 99999.99

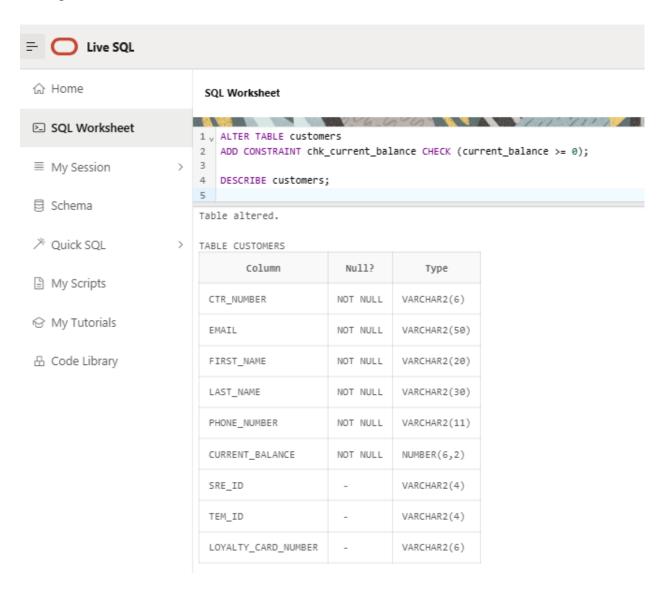
- 7. What are the 3 columns that make up the primary key for the price\_history table?
  - itm number
  - start date
  - start time

## PART 2

### Modifying a column



## Adding a check constraint



## Adding a column

### SQL Worksheet

```
1 V ALTER TABLE customers
2 ADD mobile_phone VARCHAR2(11);
3
4 DESCRIBE customers;
5
```

#### TABLE CUSTOMERS

Column	Null?	Туре
CTR_NUMBER	NOT NULL	VARCHAR2(6)
EMAIL	NOT NULL	VARCHAR2(50)
FIRST_NAME	NOT NULL	VARCHAR2(20)
LAST_NAME	NOT NULL	VARCHAR2(30)
PHONE_NUMBER	NOT NULL	VARCHAR2(11)
CURRENT_BALANCE	NOT NULL	NUMBER(6,2)
SRE_ID	-	VARCHAR2(4)
TEM_ID	-	VARCHAR2(4)
LOYALTY_CARD_NUMBER	-	VARCHAR2(6)
MOBILE_PHONE	-	VARCHAR2(11)

## Dropping a column

### SQL Worksheet

- 1  $_{\rm v}$  ALTER TABLE customers
- 2 DROP COLUMN mobile\_phone;
- 3
- 4 DESCRIBE customers;
- 5

Table altered.

### TABLE CUSTOMERS

Column	Null?	Туре
CTR_NUMBER	NOT NULL	VARCHAR2(6)
EMAIL	NOT NULL	VARCHAR2(50)
FIRST_NAME	NOT NULL	VARCHAR2(20)
LAST_NAME	NOT NULL	VARCHAR2(30)
PHONE_NUMBER	NOT NULL	VARCHAR2(11)
CURRENT_BALANCE	NOT NULL	NUMBER(6,2)
SRE_ID	-	VARCHAR2(4)
TEM_ID	-	VARCHAR2(4)
LOYALTY_CARD_NUMBER	-	VARCHAR2(6)