

UNIVERSITI TEKNOLOGI MALAYSIA (UTM), CAMPUS SKUDAI

SECD2523

DATABASE

ASSIGNMENT TITLE:

Lab Exercise 1

PREPARED BY:

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SECTION:

SECD2523-03

LECTURER'S NAME:

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DATE OF SUBMISSION:

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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.

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

 itm number VARCHAR2(10) 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 commission_rate column for the sales_representatives table?

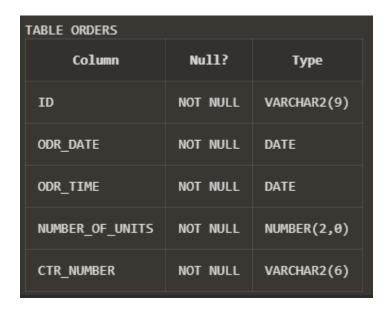
 <u>Lowest is 1, highest is 99</u>
- 6. What are the lowest and highest values that can be stored in the price column for the price_history table? Lowest is 0000000.01, highest is 9999999.99
- 7. What are the 3 columns that make up the primary key for the price_history table? Itm number, start date, start time

PART 2

TASK 1:

ALTER TABLE orders

MODIFY odr_date DATE DEFAULT SYSDATE;



TASK 2:

ALTER TABLE customers

ADD CHECK (current_balance >= 0);



TASK 3:
ALTER TABLE customers

ADD mobile_phone_number NUMBER(11);

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_NUMBER		NUMBER(11,0)	

TASK 4:
ALTER TABLE customers

DROP COLUMN mobile_phone_number;

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)	