

*Name: Ammar Yasser Salah

*Matrize no: A22EC3001

SQL Exercise

*Part #1

- 1) Ten tables
- 2) Six columns
- 3) CONSTRAINT item_pk PRIMARY KEY (&item_number)
- 4) ctr_number
- 5) Lowest value: -99 highest value: 99
- 6) Lowest value: -99999.99 Highest value: +99999.99
- 7) item_number, start_date, start-time

*Part #2

Modifying columns

- 1) DESCRIBE orders;
- 2) ALTER TABLE customers
ADD CONSTRAINT current_balance
CHECK (current_balance >= 0)
- 3) DESCRIBE customers

✱

Adding a column

- 1) DESCRIBE customers;
- 2) ~~ADD~~ ALTER TABLE customers
ADD customer_phone_number NUMBER(11);
- 3) DESCRIBE customers;

Dropping TABLE

- 1) DESCRIBE customers;
- 2) ALTER TABLE customers DROP COLUMN customer_phone_number;
- 3) DESCRIBE customers;

Part #2

Name: AMMAR YASSER SALAH

Matrix no: A22EC3001

Section: 03

-Modifying column:

1)

SQL Worksheet

Clear Find Actions Save Run

TABLE ORDERS

Column	Null?	Type
ID	NOT NULL	VARCHAR2(9)
ODR_DATE	NOT NULL	DATE
ODR_TIME	NOT NULL	DATE
NUMBER_OF_UNITS	NOT NULL	NUMBER(2,0)
CTR_NUMBER	NOT NULL	VARCHAR2(6)

Download CSV

5 rows selected.

2)

SQL Worksheet

Clear Find Actions Save Run

```
1 ALTER TABLE customers
2 ADD CONSTRAINT current_balance
3 CHECK (current_balance >= 0);
```

Table altered.

3)

Live SQL

Feedback Help ammarutm75@gmail.com

SQL Worksheet Clear Find Actions Save Run

Column	Null?	Type
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)

Download CSV

9 rows selected.

4)

Schema \

CUSTOMERS

Syntax Help Actions View All Objects

Show All Columns Constraints Related Constraints Triggers Indexes Code

Constraints

Constraint	Type	Condition	Related Constraint	Related Table	Constraint Columns	On Delete	S
CURRENT_BALANCE	Check	current_balance >= 0	-	-	-	-	EN

-Adding a column:

1)

Live SQL

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SQL WorksheetClearFindActionsSaveRun

Column	Null?	Type
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)

Download CSV

9 rows selected.

2)

SQL WorksheetClearFindActionsSaveRun

```
1 ALTER TABLE customers
2 ADD customer_phone_number NUMBER(11);
```

Table altered.

3)

SQL Worksheet

Clear Find Actions Save Run

TABLE CUSTOMERS

Column	Null?	Type
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)
CUSTOMER_PHONE_NUMBER	-	NUMBER(11,0)

-Dropping Table:

1)

SQL Worksheet

Clear Find Actions Save Run

TABLE CUSTOMERS

Column	Null?	Type
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)
CUSTOMER_PHONE_NUMBER	-	NUMBER(11,0)

2)

SQL Worksheet

Clear

Find

Actions

Save

Run

1 ALTER TABLE customers

2 DROP COLUMN customer_phone_number;

Table altered.

3)

SQL Worksheet

Clear

Find

Actions

Save

Run

TABLE CUSTOMERS

Column	Null?	Type
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)

Download CSV