DATABASE LAB 1

SYED MUHAMMAD NAUFAL BIN   SECTION 6
SYED ZULKHAIRUL ISKANDAR   B23CS0070

PART 1

1. 10 Tables
2. 6 Columns
3. "Not Null" statement
4. customer_address_customer_file
5. Highest value = 99
   Lowest value = -99
6. Highest value = 99999.99
   Lowest value = -99999.99
7. itm_number, start_time, start_date

PART 2

1. DESCRIBE orders;

column	Null?	Type
id	NOT NULL	VARCHAR (9)
odr_date	NOT NULL	DATE
odr_time	NOT NULL	DATE
number_of_units	NOT NULL	NUMBER (2)
ctr_number	NOT NULL	VARCHAR2(6)

2. ALTER TABLE orders
   Modify odr_date DATE DEFAULT SYSDATE;

3. DESCRIBE orders; (same as question 1)

1. DESCRIBE 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)

2. ALTER TABLE customers
ADD CONSTRAINST check - balance
CHECK (current - balance >= 0);

3. DESCRIBE customers; (output same as question 1)

4.

constraints	Type	condition	Related constraint	Related table
check-balance	check	current_balance >= 0	—	—

Constraints Column	On delete	Status
—	—	ENABLED

1. DESCRIBE customers;

column	NULL?	Type
ctr - number	NOT NULL	VARCHAR2 (6)
email	NOT NULL	VARCHAR (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)

2. ALTER TABLE customers
   ADD mobile - phone - number VARCHAR2 (11);

3. DESCRIBE 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)
mobile - phone-number	—	VARCHAR2 (11)

1. DESCRIBE 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)
mobile-phone number	-	VARCHAR(11)

2. ALTER TABLE customers;
   DROP COLUMN mobile-phone-number;

3. DESCRIBE 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)