

Database lab 1

Part 1 :

1. 10
2. 6
3. NOT NULL
4. ctr.number
5. lowest = -99, highest = 99
6. lowest = -9999.99, highest = 9999.99
7. (itm-number, start-date, start-time)

Part 2 :

Modifying a column

1. DESCRIBE orders;
2. ALTER TABLE orders MODIFY odr_date DATE DEFAULT SYSDATE;
3. DESCRIBE orders;

Adding a check constraint

1. DESCRIBE customers;
2. ALTER TABLE customers ADD CONSTRAINT chk_balance_nonnegative
CHECK (current_balance >= 0);
3. DESCRIBE customers;
4. SELECT constraint_name, constraint_type, search_condition
FROM user_constraint
WHERE table_name = 'CUSTOMERS';

Adding a column

1. DESCRIBE customers;
2. ALTER TABLE customers ADD mobile_phone_number VARCHAR(11);
3. DESCRIBE customers;

Dropping a column

1. DESCRIBE customers;

2. ALTER TABLE customers DROP COLUMN mobile_phone_number;

3. DESCRIBE customers;

Part 2: Output

Modifying Column:

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

Adding a check constraint:

Name	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)

Adding a column:

Name	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)

Dropping a column:

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)