

Database Lab 1

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B23 CS0051

Part 1

1. 10 tables
2. 6 columns
3. "Not Null" statement
4. customer_address - customer - file
5. Highest value = 99
Lowest value = -99
Highest value = 99999.99
Lowest value = -99999.99
7. itm_n-number, start-time, start-date

Part 2

1. ~~Describe~~ DESCRIBE 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)

2. ALTER TABLE orders
Modify odr_date DATE DEFAULT SYSDATE;
3. 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 CONSTRAINT check_balance
(CHECK (current_balance >= 0));

3. The output is the same in question 1

constraints	Type	Condition	Related Constraint	Related table
CHECK-BALANCE	check	current_balance >= 0	-	-

Constraint Columns	On Delete	Status
-	-	ENABLED DISABLED

1. ~~DE~~ 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	VAR NUMBER2(6,2)
SRE_ID	-	VARCHAR2(4)
TEM_ID	-	VAR(CHAR2(4)
LOYALTY_CARD_NUMBER	-	VAR(CHAR2(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	VAR(CHAR2(50)
FIRST_NAME	NOT NULL	VAR(CHAR2(20)
LAST_NAME	NOT NULL	VAR(CHAR2(30)
PHONE_NUMBER	NOT NULL	VAR(CHAR2(11)
CURRENT_BALANCE	NOT NULL	NUMBER2(6,2)
SRE_ID	-	VAR(CHAR2(4)
TEM_ID	-	VAR(CHAR2(4)
LOYALTY_CARD_NUMBER	-	VAR(CHAR2(6)
MOBILE_PHONE_NUMBER	-	VAR(CHAR2(11)

1. The same output as adding a column question 3.
2. ALTER TABLE customers
PROP 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	VAR NUMBER2(6,2)
SRE_ID	-	VAR(HAR2(4)
TEM_ID	-	VAR(HAR2(4)
LOYALTY_CARD_NUMBER	-	VARCHAR(6)