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Title: Lab Exercises 1 (SQL1:DDL)

Part 1: Reading Information from a script

1) 10 tables

2) 6 columns

3) The statement is 'NOT NULL'.

4) foreign key = id

5) lowest = -99

highest = 99

6) lowest = -99999.99

highest = 99999.99

7) (itm-number, start-date, start-time)

Part 2: updating constraints

(Modifying a column)

1) 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) No, the output is the same as output in Question 1.

(Adding a check constraint)

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 cust-bal-check

CHECK (current_balance >= 0);

NO, the output is the

3) Same as output in Question 1.

4) constraints	Type	Condition	Related constraint	Related table	Constraint columns	On delete	Status
CUST_BAL-CHECK	check	current_balance >= 0	-	-	-	-	ENABLED

(Adding a column)

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 mobile-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-NUMBER	-	VARCHAR2(11)

(Dropping a column)

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 MOBILE_NUMBER	-	VARCHAR2(11)

2) ALTER TABLE customers

DROP COLUMN mobile_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)