

NUR AIMI AFIQAH BINTI RAWI

B23CS0065

Lab Exercise 1

Part 1 :

1. 10

2. 6

3. category VARCHAR(25) NOT NULL,

4. id

5. Lowest value = -99

Highest value = 99

6. Lowest value = -99.99

Highest value = 99999.99

7. - itm_number

- start_date

- start_time

Part 2 :

Modifying a column

1. DESCRIBE orders;

output :

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. 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)

Adding a check constraint

1. DESCRIBE customers;

output:

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 _ non _ negative CHECK
(current _ balance >= 0);

3. DESCRIBE customers ;

output :

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)

4. Constraint

Constraint	Type	Condition
CHECK_BALANCE_NON_NEGATIVE	Check	current_balance ≥ 0

Adding a column

1. DESCRIBE customers;

output :

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 _ phone _ number VARCHAR2 (11);

3. DESCRIBE customers;

output :

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)

Dropping a column

1. DESCRIBE customers;

output :

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)

2. ALTER TABLE customers DROP COLUMN MOBILE_PHONE_NUMBER;

3. DESCRIBE customers;

output :

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)