Database Lab1

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Matrix: B230034
Section: 02

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	
IO	NOT NULL	Varchar(9)	
ODR _DATE	NOT NULL	DATE	
ODR-TIME	NOT NULL	DATE	
NUMBER_OF_UNITS	NOT NULL	NUMBER(2,0)	
CTR _NUMBER	NOT NULL	Varchar(6)	

2. ALTER TABLE orders
   Modify odr-date DATE DEFAULT SYSDATE;

3. Same as 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	-	VARCHAR(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

4)

Constraints	Type	Condition	Related Constraints
CHECK_BALANCE	Check	current_balance >= 0	—

Retata Related Table	constraint columns	on Delete	Status
—	—	—	ENABLED

Adding a Column

1) DESCRIBE customer;

Column	Null?	Type
CTR_NUMBER	NOT NULL	VARCHAR2(6)
EMAIL	NOT NULL	VARCHAR2(50)
FIRST_NAME	NOT NULL	VARCHAR 60)
LAST_NAME	NOT NULL	VARCHAR (30)
PHONE_NUMBER	NOT NULL	VARCHAR(4)
CURRENT_BALACE	NOT NULL	NUMBER2(6,2)
SRE_ID	—	NARCHAR(4)
TEM_ID	—	VARCHAR(4)
LOYALTY_CARD-NUMBER	—	VARCHAR(6)

2) ALTER TABLE customers
   ADD mobile_phone_number varCHAR(11);

3) DESCRIBE customers;

- new column added on the last row

column	Null?	TYPE
CTR_NUMBER	NOT NULL	VARCHAR (6)
EMAIL	NOT NULL	VARCHAR (50)
FIRST_NAME	NOT NULL	UARCHAR (20)
LAST_NAME	NOT NULL	VARCHAR (30)
PHONE_NUMBER	NOT NULL	VARCHAR (11)
CURRENT_BALANCE	NOT NULL	NUMBER (6,2)
SRE_ID	-	VARCHAR(4)
TEM_ID	-	VARCHAR(4)
LOYALTY_CARD_NUMBER	-	VARCHAR(4)
MOBILE_PHONE_NUMBER	-	VARCHAR(4)

DE Deleting a column

1) The same output as adding a column. question 3

2) ALTER TABLE customers
   DROP COLUMN mobile_phone_number;

3) DESCRIBE Customers;

Column	Null?	TYPE
CTR_NUMBER	NOT NULL	VARCHAR (6)
EMAIL	NOT NULL	VARCHAR (50)
FIRST_NAME	NOT NULL	VARCHAR (20)
LAST_NAME	NOT NULL	VARCHAR (30)
PHONE_NUMBE	NOT NULL	VARCHAR (11)
CURRENT_BALANCE	NOT NULL	number(6,2)
SRE_ID	-	VARCHAR (4)
TEM_ID	-	VARCHAR (4)
LOYAITY-CARD_NUN	-	VARCHAR(6)