

Part 1: Reading Information From A Script

1. How many tables have been created using the CREATE TABLE statement?
10 tables
2. How many columns are created for the history table?
6 columns
3. What statement is used to enforce the constraint that the category column of the items table must have a value?
category VARCHAR2(25) NOT NULL,
4. What is the name of the foreign key constraint between the customers and customer addresses tables?
customer_address_customer_fk
5. What are the lowest and highest values that can be stored in the commission_rate column for the sales_representative table?

Lowest value: -99.99
Highest value: 99.99
6. What are the lowest and highest values that can be stored in the price column for the price_history table?

Lowest value: -9999.99
Highest value: 9999.99
7. What are the 3 columns that make up the primary key for the price_history table?
 - a. **itm_number**
 - b. **start_date**
 - c. **start_time**

Part 2:

Modifying a column

```
SQL> ALTER TABLE orders
  2  MODIFY (odr_date DATE DEFAULT SYSDATE);
```

Table altered.

```
SQL> describe orders
```

Name	Null?	Type
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

```
SQL> describe customers
```

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

```
SQL> ALTER TABLE customers
  2  ADD mobile_no VARCHAR2(11);
```

Table altered.

```
SQL> describe customers
```

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_NO		VARCHAR2(11)

Dropping a column

```
SQL> ALTER TABLE customers DROP COLUMN mobile_no;
```

Table altered.

```
SQL> describe customers
```

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)