Name : Akshat Chudasama

Roll no : 13

FYCS

ASSIGNMENT 3

Q1. Create the following given table with appropriate data type and constraints

Table Name: BOOK_ROLLNO

Column Name	Data Type	Size	Attribute
BOOKID	Varchar	10	Primary key
TITLE	Varchar	50	Not null
PUBLISHER	Varchar	30	Not null
CATEGORY	Varchar	30	Not null
YEAR	Varchar	15	Not null
PRICE	Number	8	Should be greater than 0

```
SQL> create table BOOK_13(BOOKID VARCHAR(10) PRIMARY KEY , TITLE VARCHAR(50) NOT NULL, PUBLISHER VARCHAR(30) NOT NULL, C
ATEGORY VARCHAR (30) NOT NULL, YEAR VARCHAR(15) NOT NULL,PRICE NUMBER(8) CHECK(PRICE>0));

Table created.

SQL> desc BOOK_13
 Name                                      Null?    Type
 ----------------------------------------- -------- ----------------------------
 BOOKID                                    NOT NULL VARCHAR2(10)
 TITLE                                     NOT NULL VARCHAR2(50)
 PUBLISHER                                 NOT NULL VARCHAR2(30)
 CATEGORY                                  NOT NULL VARCHAR2(30)
 YEAR                                      NOT NULL VARCHAR2(15)
 PRICE                                              NUMBER(8)
```

Table Name: DISTRIBUTOR_ROLLNO

Column Name	Data Type	Size	Attribute
DISTID	Varchar	6	Primary Key
DISTRIBUTOR	Varchar	20	Not null
CITY	Varchar	30	Default Mumbai
DISCOUNT(in Rupees)	Varchar	30	Default value 15
CREDIT	Varchar	15	Should be greater than 0

```
SQL> CREATE TABLE DISTRIBUTOR_13(DISTID VARCHAR(6) PRIMARY KEY ,DISTRIBUTOR VARCHAR(20) NOT NULL ,CITY VARCHAR(30) DEFAU
LT'Mumbai' ,DISCOUNT VARCHAR (30) DEFAULT 15,CREDIT VARCHAR(15)CHECK(CREDIT>0));

Table created.

SQL> DESC DISTRIBUTOR_13
 Name                                      Null?    Type
 ----------------------------------------- -------- ----------------------------
 DISTID                                    NOT NULL VARCHAR2(6)
 DISTRIBUTOR                               NOT NULL VARCHAR2(20)
 CITY                                               VARCHAR2(30)
 DISCOUNT                                           VARCHAR2(30)
 CREDIT                                             VARCHAR2(15)
```

Table Name: ORDERS_ROLLNO

Column Name	Data Type	Size	Attribute
ORDNO	Varchar	20	Primary key
TITLE	Varchar	30	Not null
DISTID	Varchar	30	Foreign Key
QTY	Varchar	15	Should be greater than 0
BOOKID	Varchar	10	Foreign Key

```
SQL> CREATE TABLE ORDERS_13(ORDERNO VARCHAR(20) PRIMARY KEY , TITLE VARCHAR (30) NOT NULL , DISTID VARCHAR (30) REFERENC
ES DISTRIBUTOR_13(DISTID),QTY VARCHAR(15) CHECK(QTY>0),BOOKID VARCHAR(10) REFERENCES BOOK_13(BOOKID));

Table created.

SQL> DESC ORDERS_13
 Name                                      Null?    Type
 ----------------------------------------- -------- ----------------------------
 ORDERNO                                   NOT NULL VARCHAR2(20)
 TITLE                                     NOT NULL VARCHAR2(30)
 DISTID                                             VARCHAR2(30)
 QTY                                               VARCHAR2(15)
 BOOKID                                            VARCHAR2(10)
```

Q2. Answer the following queries

1. Rename the table Orders as Order_Details.

```
SQL> ALTER TABLE ORDERS_13
  2   RENAME TO ORDER_DETAILS;

Table altered.
```

2. Add a column Author in Book table with appropriate data type.

```
SQL> ALTER TABLE BOOK_13
  2   ADD AUTHOR VARCHAR(20) NOT NULL
  3 ;

Table altered.
```

3. Delete the column Credit from Distributor table.

```
SQL> ALTER TABLE DISTRIBUTOR_13
  2   DROP COLUMN CREDIT;

Table altered.
```

4. Update the data type of column city to varchar(15) in the Distributor table.

```
SQL> ALTER TABLE DISTRIBUTOR_13
  2   MODIFY CITY VARCHAR(15);

Table altered.
```

5. Add a column date in Orders table

```
SQL> ALTER TABLE DISTRIBUTOR_13
  2   ADD DATESS DATE NOT NULL;

Table altered.
```