Name : DEV PARMAR

Roll no : 39

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 Worksheet

⊘ Clear   ✎ Find   Actions ▾   💾 Save   Run ▶

```
1  create table BOOK_39(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,
2  PRICE NUMBER(8) CHECK(PRICE>0));
```

Table created.

TABLE BOOK_39

Column	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(8,0)

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 Worksheet

⬦ Clear   ⬥ Find   Actions ▾   💾 Save   Run ▶

```
1  CREATE TABLE DISTRIBUTOR_39(DISTID VARCHAR(6) PRIMARY KEY ,DISTRIBUTOR VARCHAR(20) NOT NULL ,CITY VARCHAR(30) DEFAULT'Mumbai' ,DISCOUNT VARCHAR (30) DEFAULT 15,CREDIT VARCHAR(15)
2  CHECK(CREDIT>0));
```

Table created.

SQL Worksheet

⬦ Clear   ⬥ Find   Actions ▾   💾 Save   Run ▶

```
1  CREATE TABLE DISTRIBUTOR_39(DISTID VARCHAR(6) PRIMARY KEY ,DISTRIBUTOR VARCHAR(20) NOT NULL ,CITY VARCHAR(30) DEFAULT'Mumbai' ,DISCOUNT VARCHAR (30) DEFAULT 15,CREDIT VARCHAR(15)CHECK
2  DESC DISTRIBUTOR_39
```

TABLE DISTRIBUTOR_39

Column	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 Worksheet

⬦ Clear   ⬥ Find   Actions ▾   💾 Save   Run ▶

```
1  CREATE TABLE ORDERS_39(ORDERNO VARCHAR(20) PRIMARY KEY , TITLE VARCHAR (30) NOT NULL , DISTID VARCHAR (30) REFERENCES DISTRIBUTOR_39(DISTID),QTY VARCHAR(15) CHECK(QTY>0),BOOKID
2  VARCHAR(10) REFERENCES BOOK_39(BOOKID));
```

Table created.

```
1  CREATE TABLE ORDERS_39(ORDERNO VARCHAR(20) PRIMARY KEY , TITLE VARCHAR (30) NOT NULL , DISTID VARCHAR (30) REFERENCES DISTRIBUTOR_39(DISTID),QTY VARCHAR(15) CHECK(QTY>0),BOOKID VARCHA
2  DESC ORDERS_39
```

TABLE ORDERS_39

Column	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 Worksheet

```
1  ALTER TABLE ORDERS_39
2  RENAME TO ORDER_DETAILS;
```

```
Table altered.
```

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

SQL Worksheet

```
1  ALTER TABLE BOOK_39
2  ADD AUTHOR VARCHAR(20) NOT NULL
3  ;
```

```
Table altered.
```

3. Delete the column Credit from Distributor table.

SQL Worksheet

```
1   ALTER TABLE DISTRIBUTOR_39
2   DROP COLUMN CREDIT;
```

```
Table altered.
```

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

SQL Worksheet

```
1   ALTER TABLE DISTRIBUTOR_39
2   MODIFY CITY VARCHAR(15);
```

```
Table altered.
```

5. Add a column date in Orders table

SQL Worksheet

```
1   ALTER TABLE DISTRIBUTOR_39
2   ADD DATESS DATE NOT NULL;
```

```
Table altered.
```