

**Assignment 3**

Q1. Create the following given table with appropriate datatype 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

Run SQL Command Line

```
SQL> CREATE TABLE BOOK_133(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) CONSTRAINT CHKPRICE CHECK (PRICE>0));
```

Table created.

Table Name: DISTRIBUTOR\_ROLLNO Column Name Data Type Size Attribute

DISTID Varchar 6Primary Key DISTRIBUTOR Varchar 20 Not null CITY Varchar

30 Default Mumbai DISCOUNT(inRupees) Varchar 30 Default value 15 CREDIT

Varchar 15 Should be greater than 0

```
SQL> CREATE TABLE DISTRIBUTOR_133(DISTID VARCHAR(6) PRIMARY KEY,DISTRIBUTOR VARCHAR(20) NOT NULL,CITY VARCHAR(30) DEFAULT 'Mumbai',DISCOUNT VARCHAR(30) DEFAULT '15',CREDIT VARCHAR(15) CONSTRAINT CHKCREDIT CHECK (CREDIT>0));
```

Table created.

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 than0 BOOKID Varchar 10 Foreign Key

```
SQL> CREATE TABLE ORDERS_133(ORDNO VARCHAR(20) PRIMARY KEY,TITLE VARCHAR(30) NOT NULL,DISTID VARCHAR(30) REFERENCES DISTRIBUTOR_133(DISTID),QTY VARCHAR(15) CONSTRAINT CHKQTY CHECK (QTY>0),BOOKID VARCHAR(10) REFERENCES BOOK_133(BOOKID));
```

Table created.

SQL> ■

Q2. Answer the following queries

1. The table Orders as Order\_Details.

```
SQL> ALTER TABLE ORDERS_133  
2 RENAME TO ORDER_DETAILS;
```

Table altered.

SQL>

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

```
SQL> ALTER TABLE BOOK_133  
2 ADD AUTHOR VARCHAR(30);
```

Table altered.

```
SQL> ■
```

3. Delete the column Credit from Distributor table.

```
SQL> ALTER TABLE DISTRIBUTOR_133  
2 DROP COLUMN CREDIT;
```

Table altered.

```
SQL>
```

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

```
SQL> ALTER TABLE DISTRIBUTOR_133  
2 MODIFY CITY VARCHAR(15);
```

Table altered.

```
SQL> ■
```

5. Add a column date in Orders table.

```
SQL> ALTER TABLE ORDER_DETAILS  
2 ADD ORDER_DATE VARCHAR(15);
```

Table altered.

```
SQL>
```