

# ***IMRAN RIZWAN SHAIKH 109 FYIT ASSIGNMENT 3 DBMS***

## ***ASSIGNMENT 3***

***Q1. Create the following given table with appropriate datatype and constraints.***

***Table Name: BOOK\_ROLLNO***

***Table Name: DISTRIBUTOR\_ROLLNO***

***Table Name: ORDERS\_ROLLNO***

```
Run SQL Command Line
SQL> create table BOOK_109(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) check (PRICE>0));
Table created.
SQL> create table DISTRIBUTOR_109(DISTID varchar(6) primary key, DISTRIBUTOR varchar(20) not null, CITY varchar(30) Default 'Mumbai', DISCOUNT varchar(30) Default 15, CREDIT varchar(15) check(CREDIT>0));
Table created.
SQL> create table ORDERS_109(ORDNO varchar(20) primary key,TITLE varchar(30) not null, DISTID varchar(30) references DISTRIBUTOR_109 (DISTID), QTY varchar(15) check(QTY>0), BOOKID varchar(10) references BOOK_109(BOOKID));
Table created.
SQL> desc BOOK_109;
+-----+-----+
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)
SQL> desc DISTRIBUTOR_109;
+-----+-----+
Name          Null?   Type
+-----+-----+
DISTID        NOT NULL VARCHAR2(6)
DISTRIBUTOR   NOT NULL VARCHAR2(20)
CITY          VARCHAR2(30)
DISCOUNT     VARCHAR2(30)
CREDIT        VARCHAR2(15)
SQL> desc ORDERS_109;
+-----+-----+
Name          Null?   Type
+-----+-----+
ORDNO         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.***

```
Run SQL Command Line
SQL> alter table ORDERS_109
2 rename to ORDER_DETAILS_109;
Table altered.
```

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```
SQL> desc ORDER_DETAILS_109;
```

Name	Null?	Type
ORDNO	NOT NULL	VARCHAR2(20)
TITLE	NOT NULL	VARCHAR2(30)
DISTID		VARCHAR2(30)
QTY		VARCHAR2(15)
BOOKID		VARCHAR2(10)

```
SQL>
```

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

 Run SQL Command Line

```
SQL> alter table BOOK_109  
2 add AUTHOR varchar(30) not null;
```

```
Table altered.
```

```
SQL> desc BOOK_109;
```

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)
AUTHOR	NOT NULL	VARCHAR2(30)

```
SQL>
```

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### ***3. Delete the column Credit from Distributor table.***

 Run SQL Command Line

```
SQL> alter table DISTRIBUTOR_109
      2 drop column CREDIT;
```


Table altered.

```
SQL> desc DISTRIBUTOR_109;
```

Name	Null?	Type
DISTID	NOT NULL	VARCHAR2(6)
DISTRIBUTOR	NOT NULL	VARCHAR2(20)
CITY		VARCHAR2(30)
DISCOUNT		VARCHAR2(30)

```
SQL>
```

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

 Run SQL Command Line

```
SQL> alter table DISTRIBUTOR_109
      2 modify CITY varchar(15);
```

Table altered.

```
SQL> desc DISTRIBUTOR_109;
```

Name	Null?	Type
DISTID	NOT NULL	VARCHAR2(6)
DISTRIBUTOR	NOT NULL	VARCHAR2(20)
CITY		VARCHAR2(15)
DISCOUNT		VARCHAR2(30)

```
SQL>
```

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### ***5. Add a column date in Orders table.***

```
SQL> Run SQL Command Line

SQL> alter table ORDER_DETAILS_109
  2  add DATE_OF_ORDER date;

Table altered.

SQL> desc ORDER_DETAILS_109;
Name                               Null?      Type
-----
ORDNO                             NOT NULL  VARCHAR2(20)
TITLE                             NOT NULL  VARCHAR2(30)
DISTID                            VARCHAR2(30)
QTY                               VARCHAR2(15)
BOOKID                            VARCHAR2(10)
DATE_OF_ORDER                     DATE
```