CREATE DATABASE BOOK;

USE BOOK;

CREATE TABLE AUTHORS(AUTHOR\_ID INT,A\_NAME VARCHAR(10),CITY VARCHAR(10),COUNTRY VARCHAR(10),PRIMARY KEY(AUTHOR\_ID));

CREATE TABLE PUBLISHERS(PUBLISHER\_ID INT,P\_NAME VARCHAR(10),CITY VARCHAR(20),COUNTRY VARCHAR(10),PRIMARY KEY(PUBLISHER\_ID));

CREATE TABLE CATEGORY(CATEGORY\_ID INT,DESCRIPTIONS VARCHAR(10),PRIMARY KEY(CATEGORY\_ID));

CREATE TABLE CATALOG(BOOK\_ID INT,TITLE VARCHAR(10),AUTHOR\_ID INT,PUBLISHER\_ID INT,CATEGORY\_ID INT,P\_YEAR INT,PRICE INT,PRIMARY KEY(BOOK\_ID),FOREIGN KEY(AUTHOR\_ID) REFERENCES AUTHORS(AUTHOR\_ID),FOREIGN KEY(PUBLISHER\_ID) REFERENCES PUBLISHERS(PUBLISHER\_ID), FOREIGN KEY(CATEGORY\_ID) REFERENCES CATEGORY(CATEGORY\_ID));

CREATE TABLE ORDER\_DETAILS(ORDER\_NO INT,BOOK\_ID INT,QTY INT,PRIMARY KEY(ORDER\_NO),FOREIGN KEY (BOOK\_ID) REFERENCES CATALOG(BOOK\_ID));

INSERT INTO AUTHORS VALUES(10,'SAM','BLORE','INDIA');

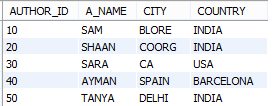
INSERT INTO AUTHORS VALUES(20,'SHAAN','COORG','INDIA');

INSERT INTO AUTHORS VALUES(30,'SARA','CA','USA');

INSERT INTO AUTHORS VALUES(40,'AYMAN','SPAIN','BARCELONA');

INSERT INTO AUTHORS VALUES(50,'TANYA','DELHI','INDIA');

SELECT \* FROM AUTHORS;



INSERT INTO PUBLISHERS VALUES(1,'PHI','NY','USA');

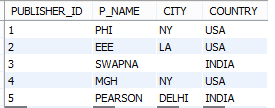
INSERT INTO PUBLISHERS VALUES(2,'EEE','LA','USA');

INSERT INTO PUBLISHERS VALUES(3,'SWAPNA','','INDIA');

INSERT INTO PUBLISHERS VALUES(4,'MGH','NY','USA');

INSERT INTO PUBLISHERS VALUES(5,'PEARSON','DELHI','INDIA');

SELECT \* FROM PUBLISHERS;



INSERT INTO CATEGORY VALUES(11,'CS');

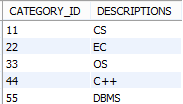
INSERT INTO CATEGORY VALUES(22,'EC');

INSERT INTO CATEGORY VALUES(33,'OS');

INSERT INTO CATEGORY VALUES(44,'C++');

INSERT INTO CATEGORY VALUES(55,'DBMS');

SELECT \* FROM CATEGORY;



INSERT INTO CATALOG VALUES(111,'BASICS',50,2,11,2003,200);

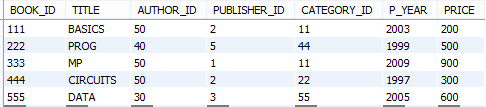
INSERT INTO CATALOG VALUES(222,'PROG',40,5,44,1999,500);

INSERT INTO CATALOG VALUES(333,'MP',50,1,11,2009,900);

INSERT INTO CATALOG VALUES(444,'CIRCUITS',50,2,22,1997,300);

INSERT INTO CATALOG VALUES(555,'DATA',30,3,55,2005,600);

SELECT \* FROM CATALOG;



INSERT INTO ORDER\_DETAILS VALUES(123,222,100);

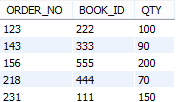
INSERT INTO ORDER\_DETAILS VALUES(231,111,150);

INSERT INTO ORDER\_DETAILS VALUES(143,333,90);

INSERT INTO ORDER\_DETAILS VALUES(156,555,200);

INSERT INTO ORDER\_DETAILS VALUES(218,444,70);

SELECT \* FROM ORDER\_DETAILS;



SELECT A.A\_NAME,C.TITLE,C.PRICE FROM AUTHORS A,CATALOG C WHERE C.AUTHOR\_ID=A.AUTHOR\_ID AND C.P\_YEAR>=2000 AND A.A\_NAME=(SELECT A.A\_NAME FROM AUTHORS A,CATALOG C WHERE A.AUTHOR\_ID=C.AUTHOR\_ID GROUP BY C.AUTHOR\_ID HAVING COUNT(\*)>=2);



SELECT A.A\_NAME FROM AUTHORS A,CATALOG C,ORDER\_DETAILS O WHERE O.BOOK\_ID=C.BOOK\_ID AND A.AUTHOR\_ID=C.AUTHOR\_ID AND O.BOOK\_ID=(SELECT BOOK\_ID FROM ORDER\_DETAILS WHERE QTY=(SELECT MAX(QTY) FROM ORDER\_DETAILS));



UPDATE CATALOG SET PRICE=1.10\*PRICE;

SELECT \* FROM CATALOG;

