**LAB PROGRAM 7:**

**Ravi Sajjanar (1BM19CS127)**

create database book\_dealer;

use book\_dealer;

create table author (

author\_id INT,

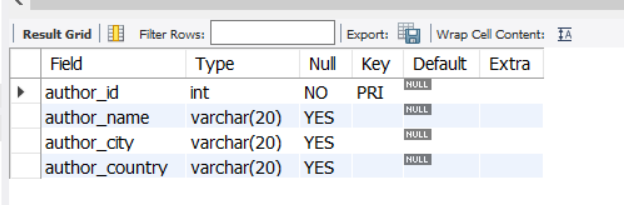
author\_name VARCHAR(20),

author\_city VARCHAR(20),

author\_country VARCHAR(20),

PRIMARY KEY(author\_id));

desc author;



create table publisher (

publisher\_id INT,

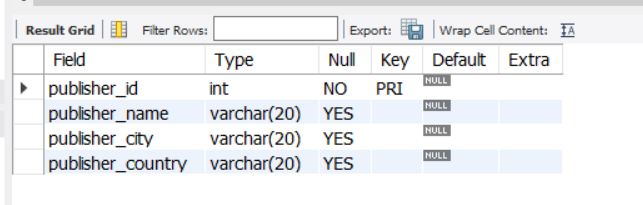
publisher\_name VARCHAR(20),

publisher\_city VARCHAR(20),

publisher\_country VARCHAR(20),

PRIMARY KEY(publisher\_id));

desc publisher;



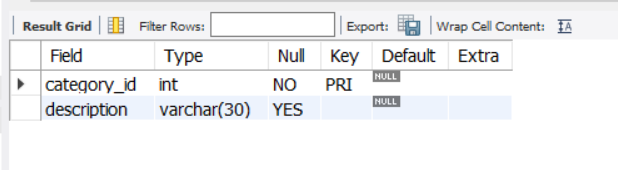
create table category (

category\_id INT,

description VARCHAR(30),

PRIMARY KEY(category\_id));

desc category;



CREATE TABLE catalog(

book\_id INT,

book\_title VARCHAR(30),

author\_id INT,

publisher\_id INT,

category\_id INT,

year INT,

price INT,

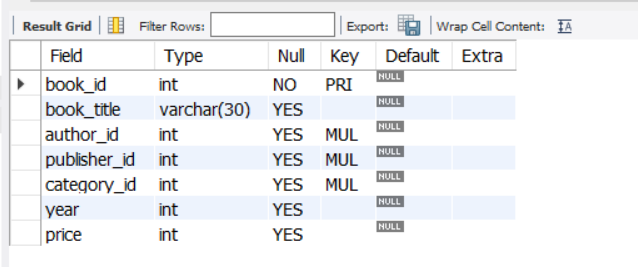
PRIMARY KEY(book\_id),

FOREIGN KEY(author\_id) REFERENCES author(author\_id),

FOREIGN KEY(publisher\_id) REFERENCES publisher(publisher\_id),

FOREIGN KEY(category\_id) REFERENCES category(category\_id) );

desc catalog;



CREATE TABLE orderdetails(

order\_id INT,

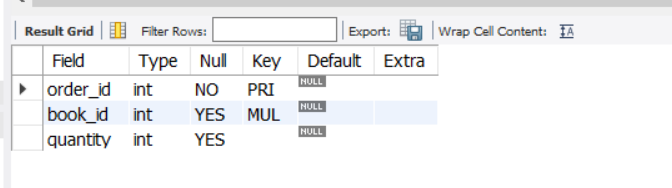
book\_id INT,

quantity INT,

PRIMARY KEY(order\_id),

FOREIGN KEY(book\_id) REFERENCES catalog(book\_id));

desc orderdetails;



INSERT INTO author (author\_id,author\_name,author\_city,author\_country) VALUES

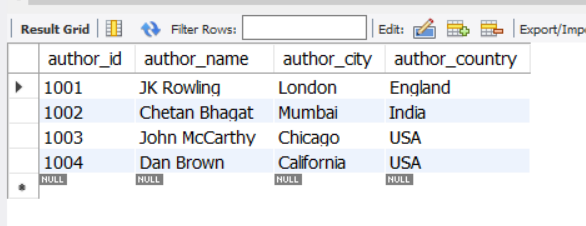
(1001,'JK Rowling','London','England'),

(1002,'Chetan Bhagat','Mumbai','India'),

(1003,'John McCarthy','Chicago','USA'),

(1004,'Dan Brown','California','USA') ;

select \* from author;



INSERT INTO publisher (publisher\_id,publisher\_name,publisher\_city,publisher\_country) VALUES

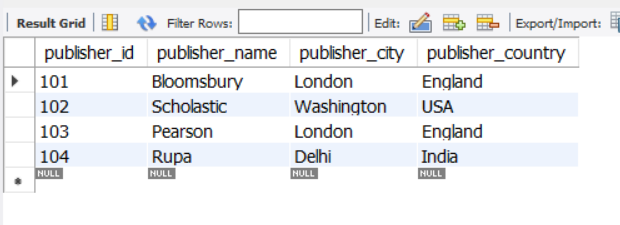
(101,'Bloomsbury','London','England'),

(102,'Scholastic','Washington','USA'),

(103,'Pearson','London','England'),

(104,'Rupa','Delhi','India');

select \* from publisher;



INSERT INTO category (category\_id,description) VALUES

(3001,'Fiction'),

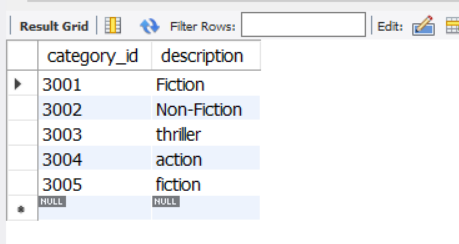
(3002,'Non-Fiction'),

(3003,'thriller'),

(3004,'action'),

(3005,'fiction') ;

select \* from category;



INSERT INTO catalog (book\_id,book\_title,author\_id,publisher\_id,category\_id,year,price) VALUES

(4001,'HP and Goblet Of Fire',1001,101,3001,2002,600),

(4002,'HP and Order Of Phoenix',1001,102,3001,2005,650),

(4003,'Two States',1002,104,3001,2009,65),

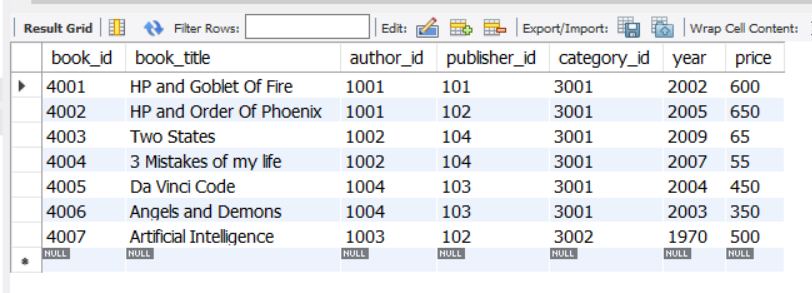
(4004,'3 Mistakes of my life',1002,104,3001,2007,55),

(4005,'Da Vinci Code',1004,103,3001,2004,450),

(4006,'Angels and Demons',1004,103,3001,2003,350),

(4007,'Artificial Intelligence',1003,102,3002,1970,500);

select \* from catalog;



INSERT INTO orderdetails (order\_id,book\_id,quantity) VALUES

(5001,4001,5),

(5002,4002,7),

(5003,4003,15),

(5004,4004,11),

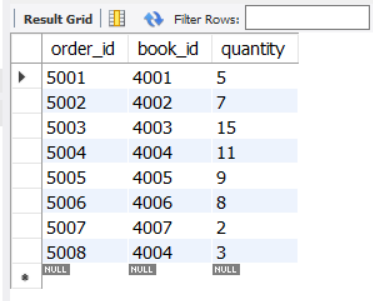
(5005,4005,9),

(5006,4006,8),

(5007,4007,2),

(5008,4004,3) ;

select \* from orderdetails;

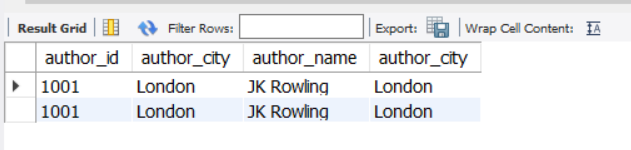


select a.author\_id,a.author\_city,a.author\_name,a.author\_city

from author a join catalog c on a.author\_id=c.author\_id where

year>2000 and c.author\_id in(select c.author\_id from catalog having

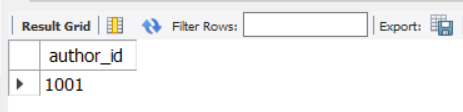
count(c.author\_id)>2 and price>500 );



select a.author\_id from author a join catalog c on

a.author\_id=c.author\_id join orderdetails o on c.book\_id=o.book\_id

having max(o.quantity);



update catalog set price=(0.1\*price)+price where publisher\_id=2001;

select \* from catalog;

commit;

