WEEK-2 DBMS LAB

LAB PROGRAM 2:

BOOKDEALER DATABASE:

The following tables are maintained by a book dealer:

AUTHOR(author-id: int, name: String, city: String, country: String)

PUBLISHER(publisher-id: int, name: String, city: String, country: String)

CATALOG(book-id: int, title: String, author-id: int, publisher-id: int,

category-id: int, year: int, price: int)

CATEGORY(<u>category-id</u>: int, description: String)

ORDER-DETAILS(order-no: int, book-id: int, quantity: int)

- i)Create the above tables by properly specifying the primary keys and the foreign keys.
- ii) Enter at least five tuples for each relation.
- iii) Give the details of the authors who have 2 or more books in the catalog and the price of the books in the

catalog and the year of publication is after 2000.

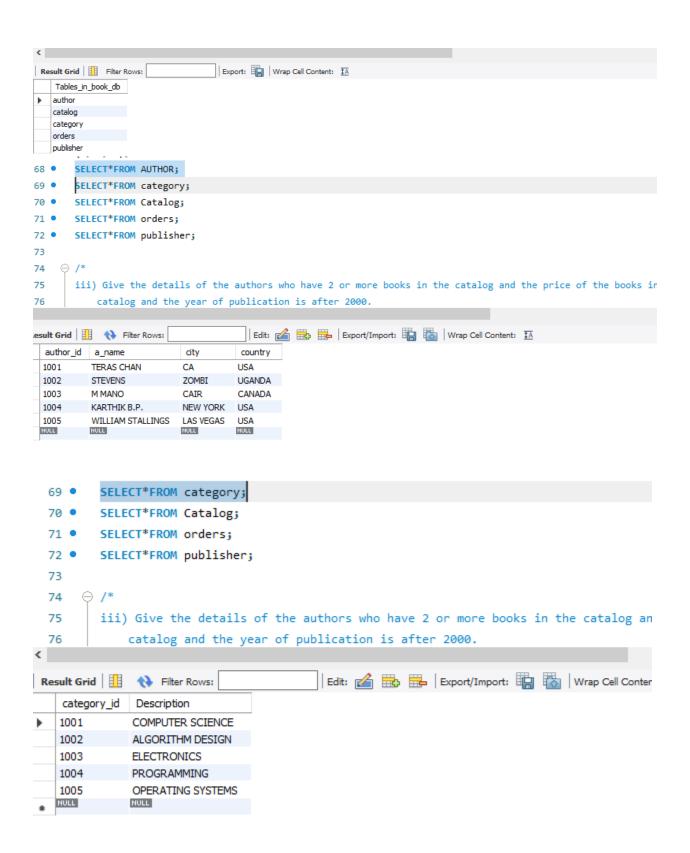
- iv) Find the author of the book which has maximum sales.
- v) Demonstrate how you increase the price of books published by a specific publisher by 10%.

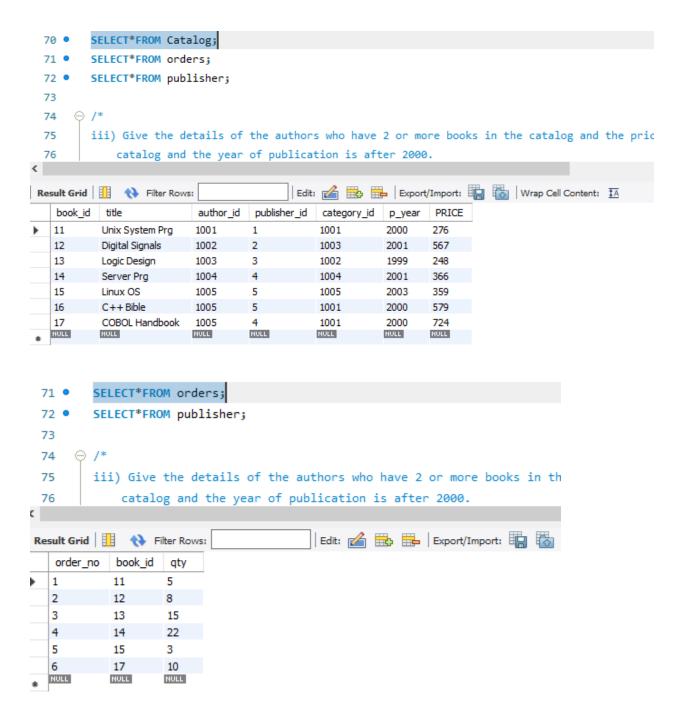
SCREENSHOTS OF OUTPUT:

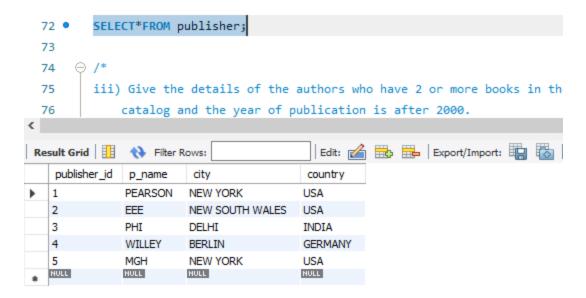
- i)Create the above tables by properly specifying the primary keys and the foreign keys.
- ii) Enter at least five tuples for each relation.

```
1 • CREATE database book_db;
 2 • USE book db;
 3 • show tables;
 4 ⊝ /*i)Create the above tables by properly specifying the primary keys and the foreign keys.
       ii) Enter at least five tuples for each relation.
 7 • ⊖ CREATE TABLE AUTHOR(
      author id INT PRIMARY KEY,
      a_name VARCHAR(20),
      city VARCHAR(20),
10
      country VARCHAR(20)
13 • ⊖ CREATE TABLE publisher(
      publisher_id INT PRIMARY KEY,
      p_name VARCHAR(20),
15
      city VARCHAR(20),
```

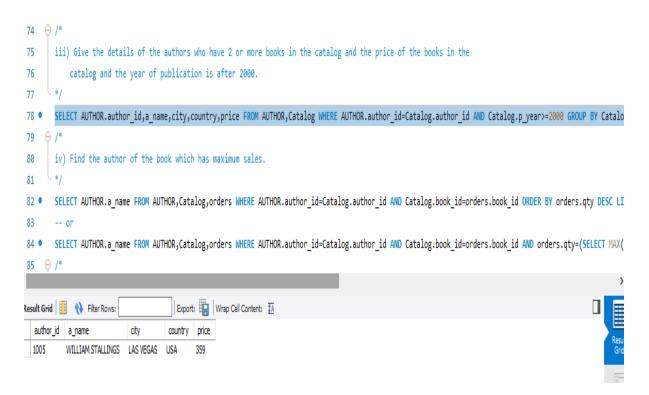
```
CREATE TABLE Catalog(
book id INT PRIMARY KEY,
title varchar(30),
author_id INT,
publisher id INT,
category_id INT,
p_year INT,
PRICE INT,
FOREIGN KEY(publisher id) REFERENCES publisher(publisher id),
FOREIGN KEY(author_id) REFERENCES author(author_id)
CREATE TABLE category(
category_id INT PRIMARY KEY,
30 • ⊖ CREATE TABLE category(
        category_id INT PRIMARY KEY,
        Description VARCHAR(100)
32
33
      ز( ا
34 • ⊝ CREATE TABLE orders(
       order_no INT PRIMARY KEY,
35
       book id INT,
        qty INT,
        FOREIGN KEY(book id) REFERENCES catalog(book id)
```



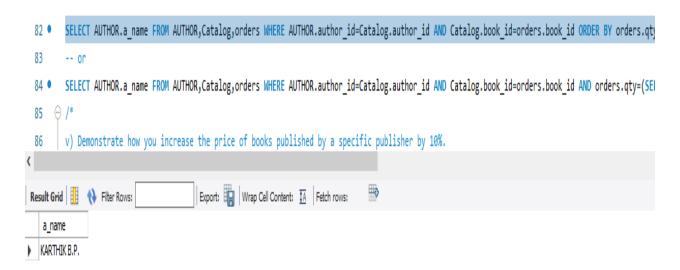




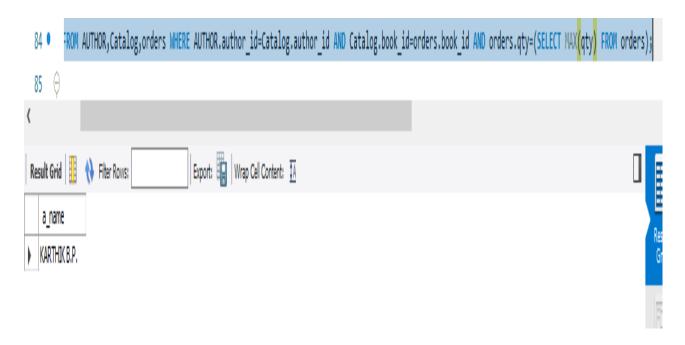
iii) Give the details of the authors who have 2 or more books in the catalog and the price of the books in the catalog and the year of publication is after 2000.



iv) Find the author of the book which has maximum sales.



BY SECOND QUERY



v) Demonstrate how you increase the price of books published by a specific publisher by 10%.

