

LAB- 7(program)

PROGRAM 7 :- BOOK DEALER 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)

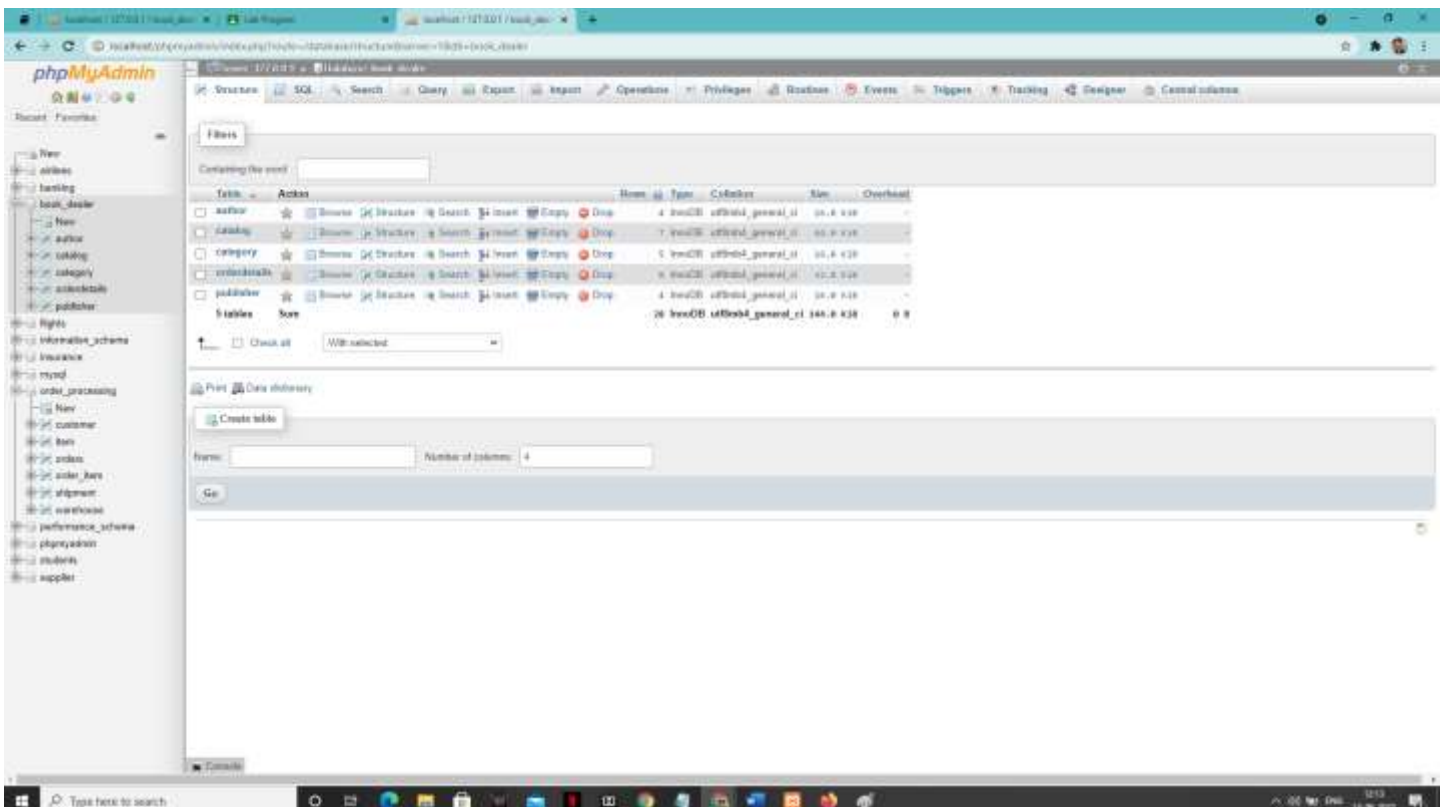
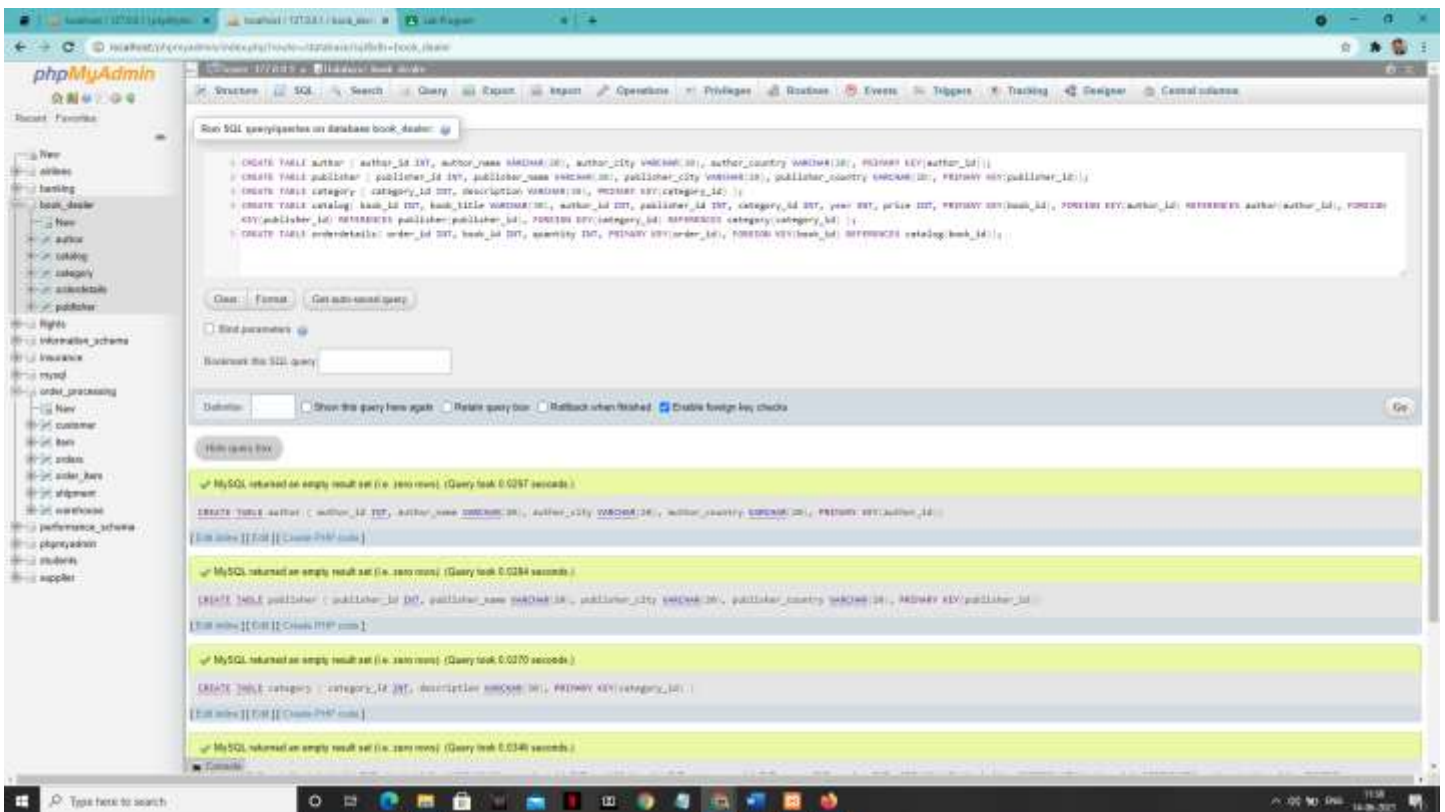
CATALOG (book-id: int, title: String, author-id: int, publisher-id: int, category-id: int, year: int, price: int)

CATEGORY(category-id: int, description: String)

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

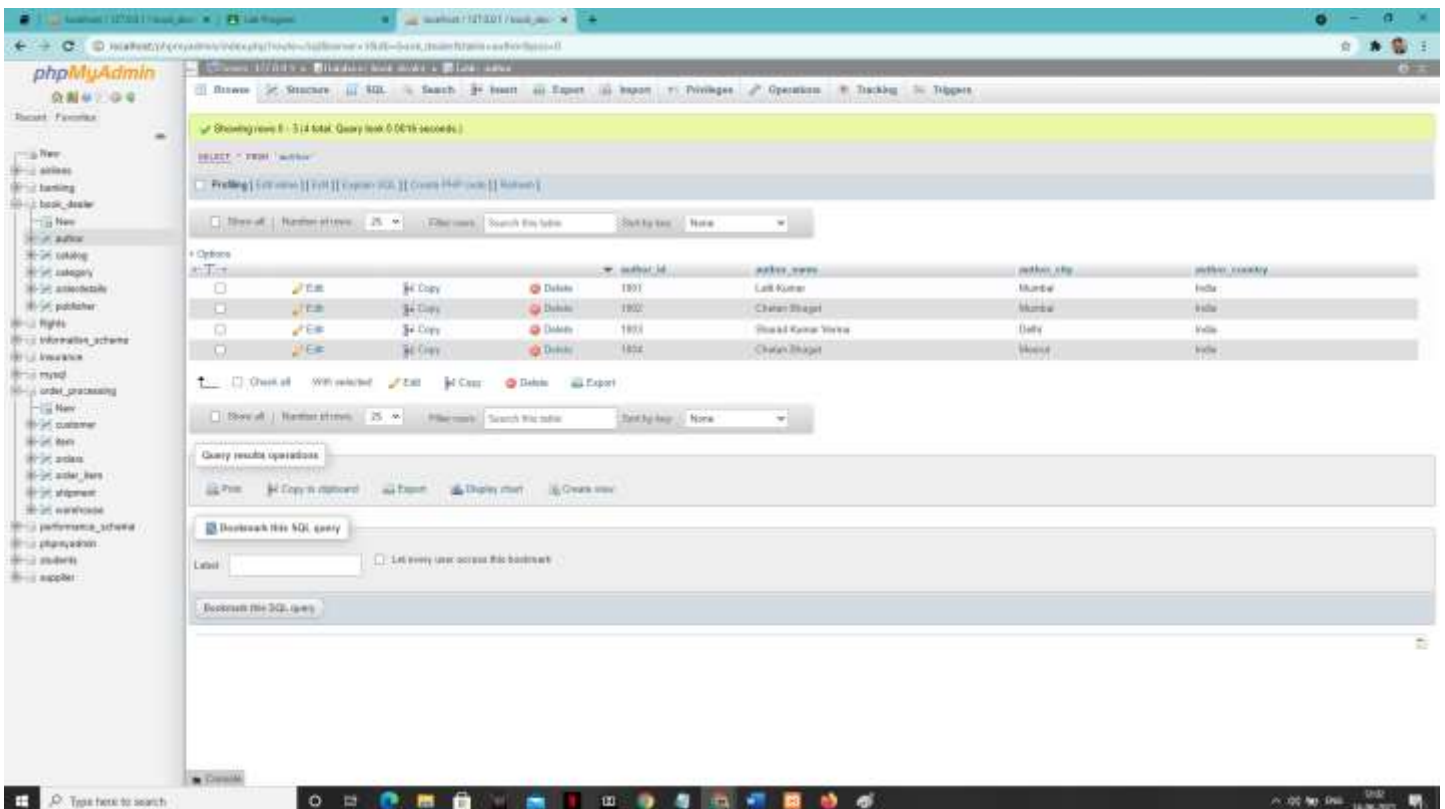
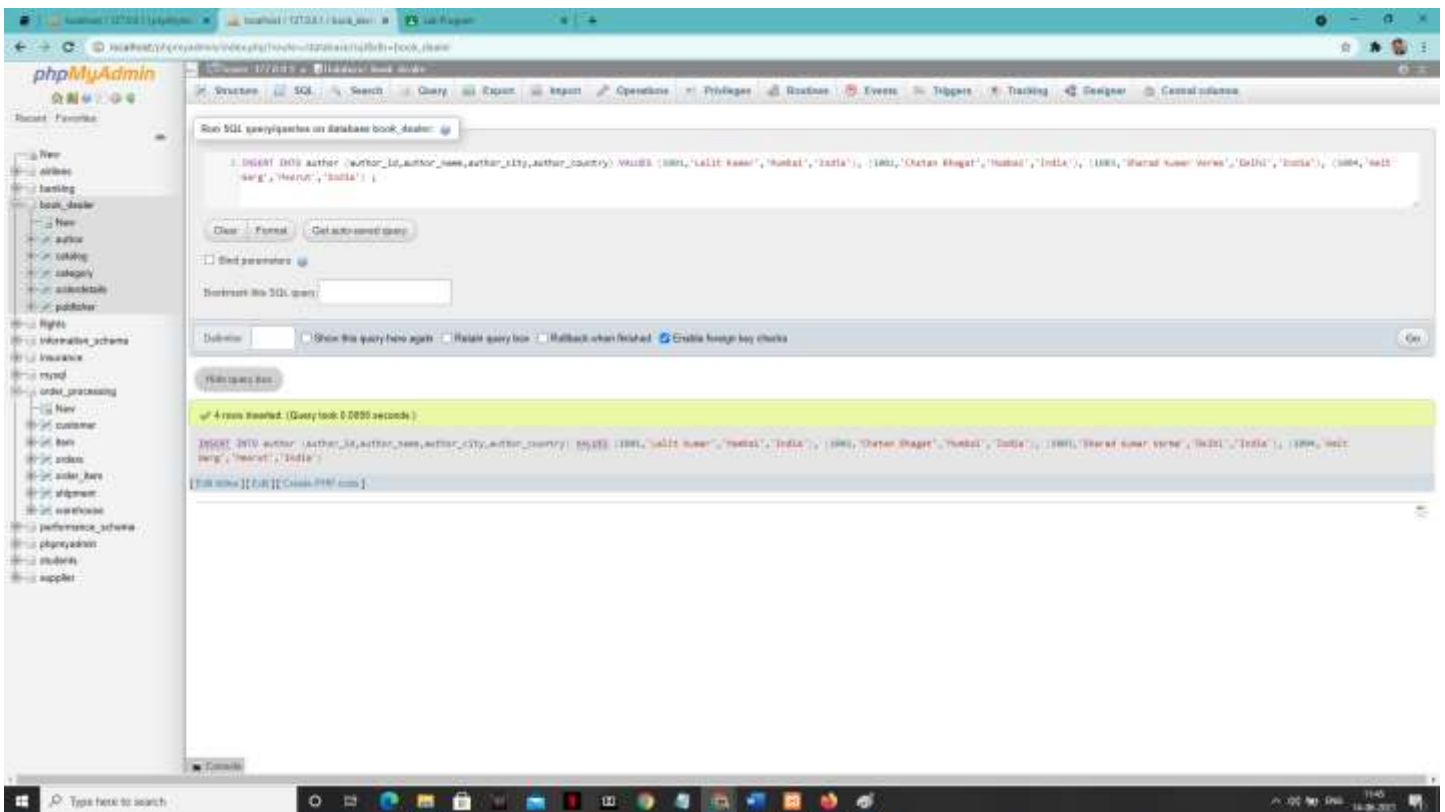
- i. Create the above tables by properly specifying the primary keys and the foreign keys.
- ii. Enter at least five tuples for each relation.
- iii. Give the details of the authors who have 2 or more books in the catalog and the price of the books in the catalog and the year of publication is after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

Create table:-

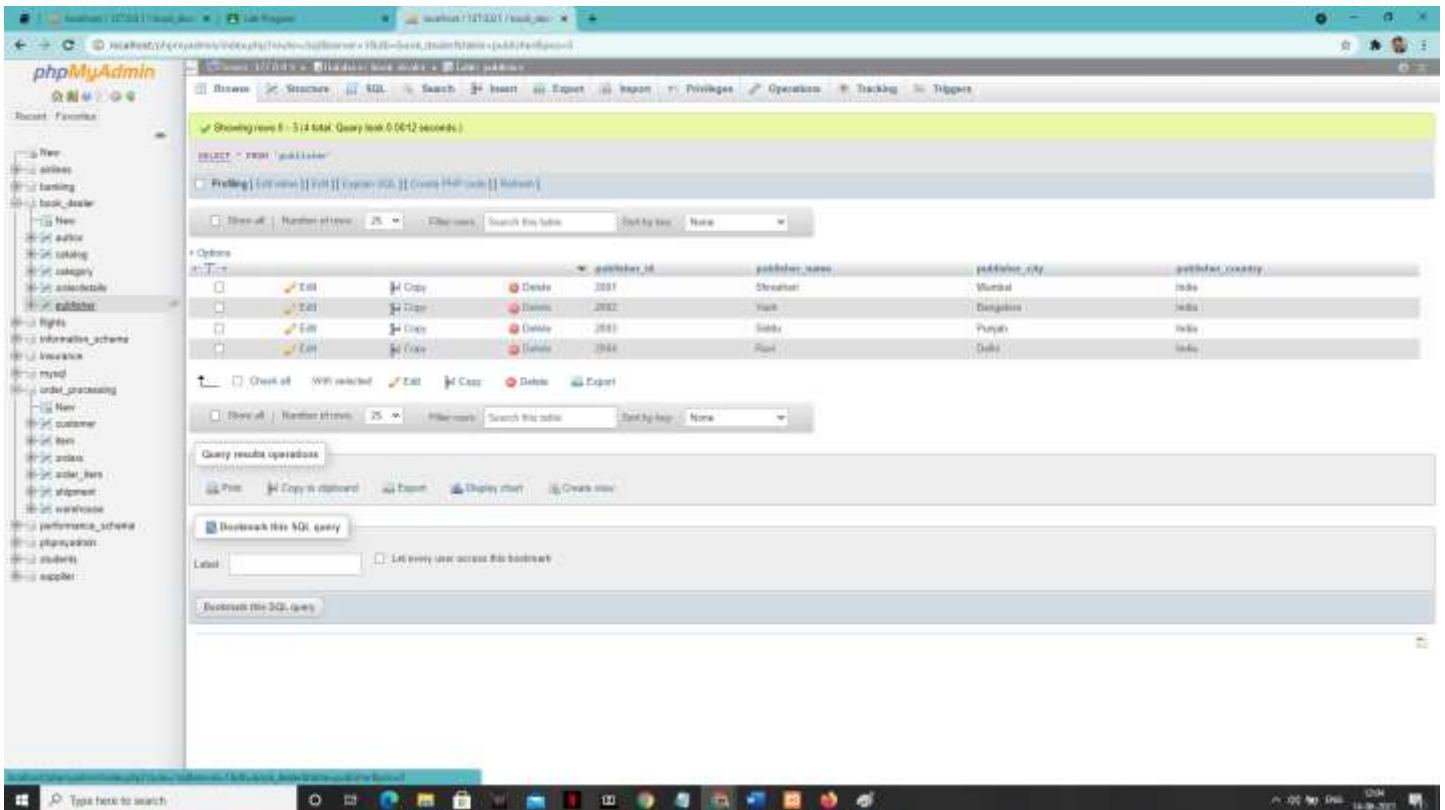
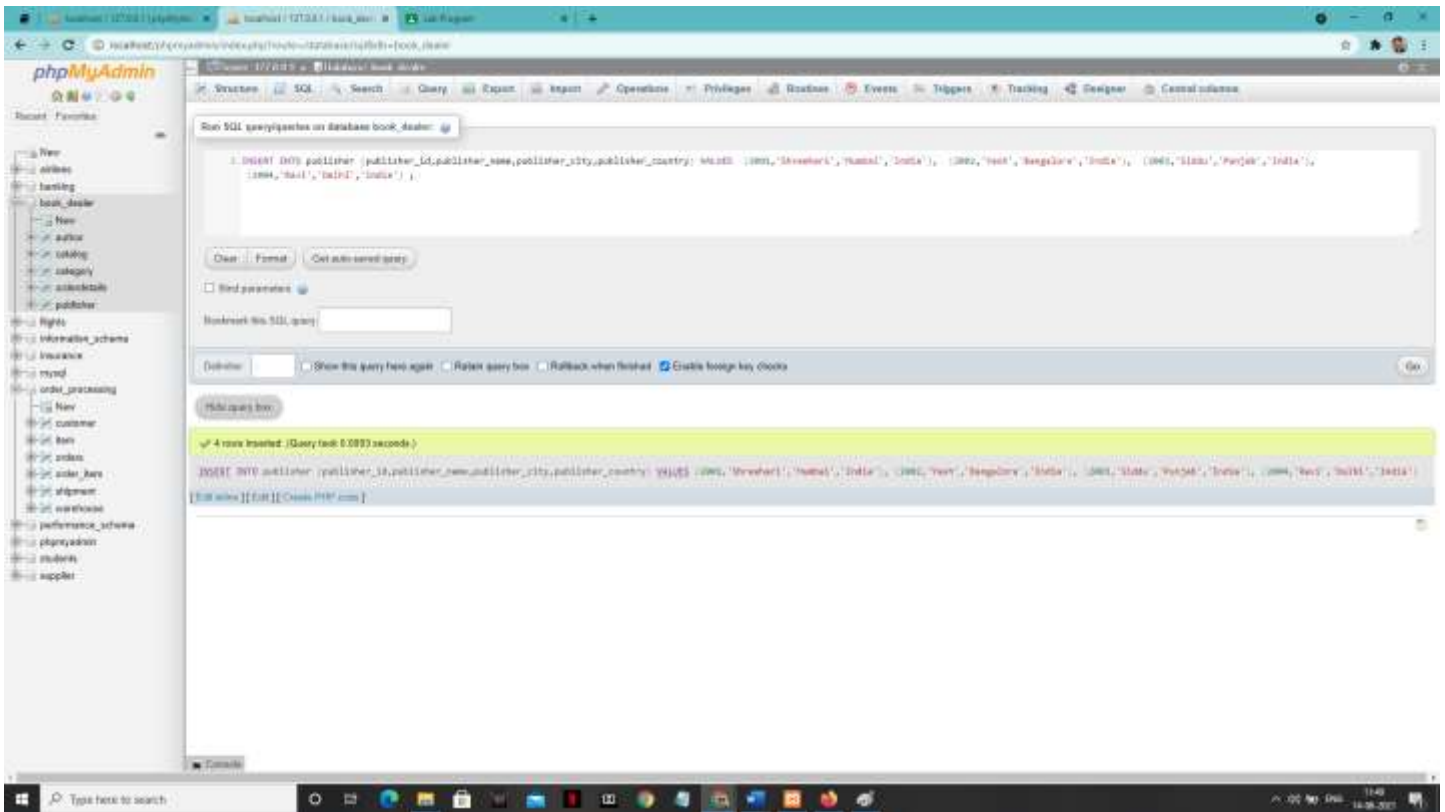


2) Enter tuples for each relation.

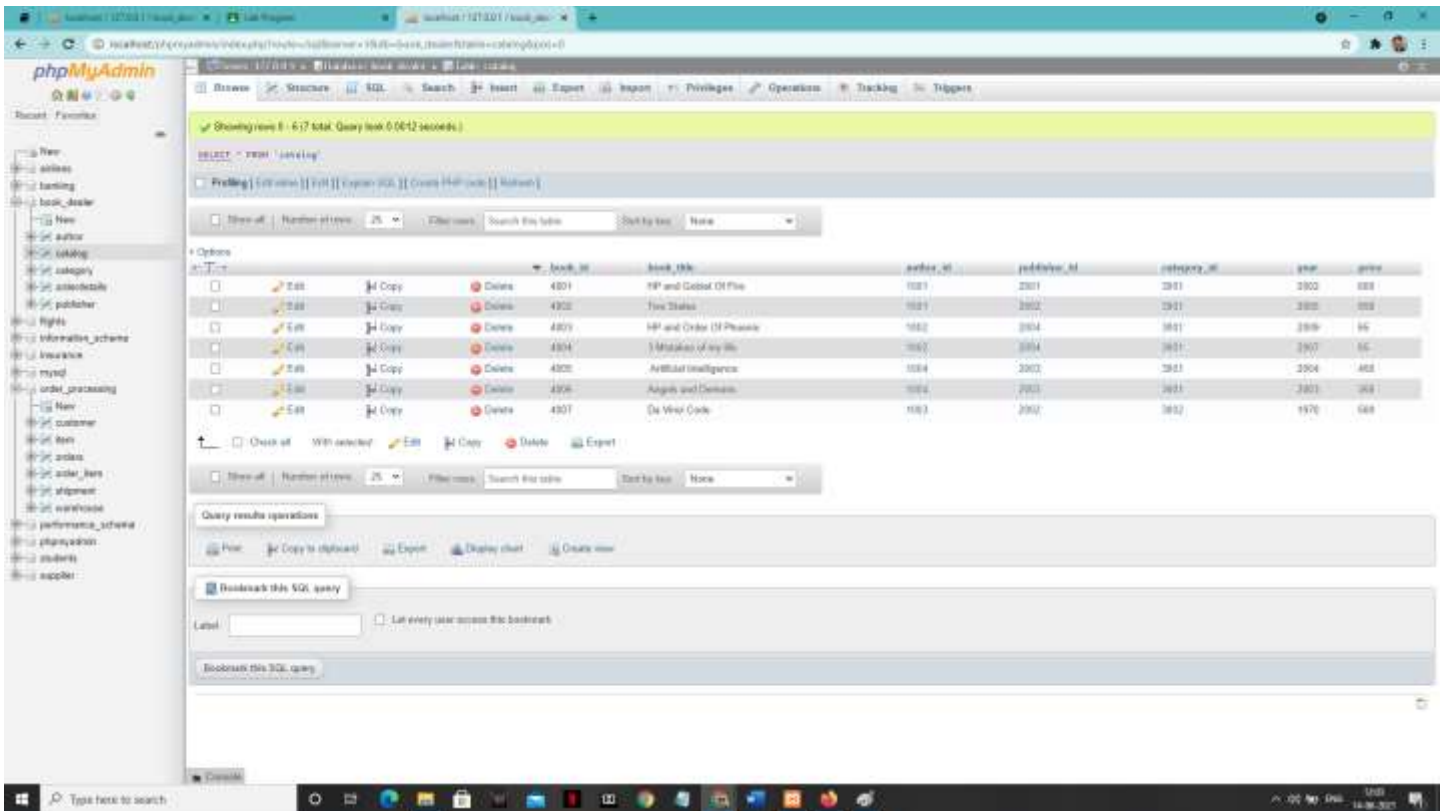
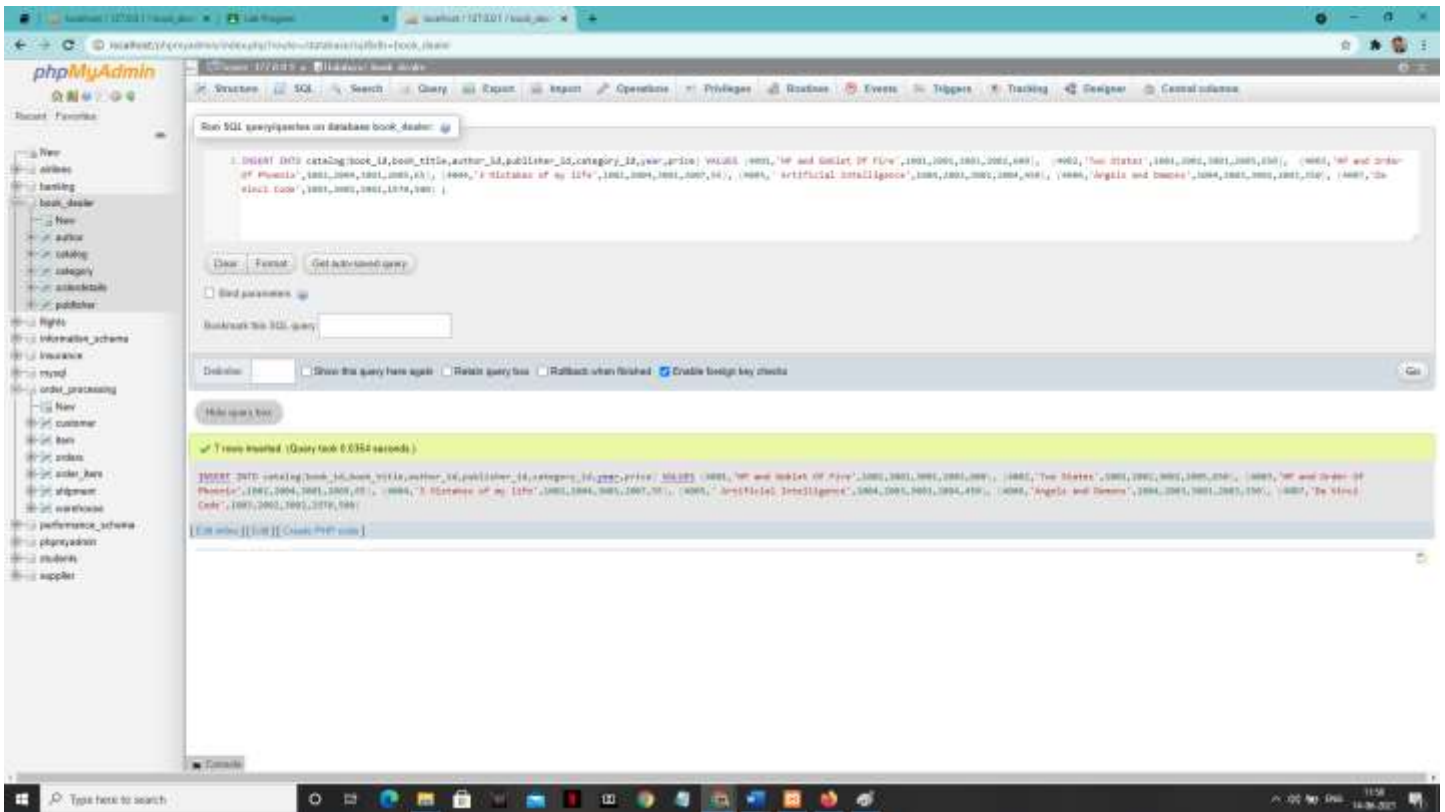
‘Author’ table:



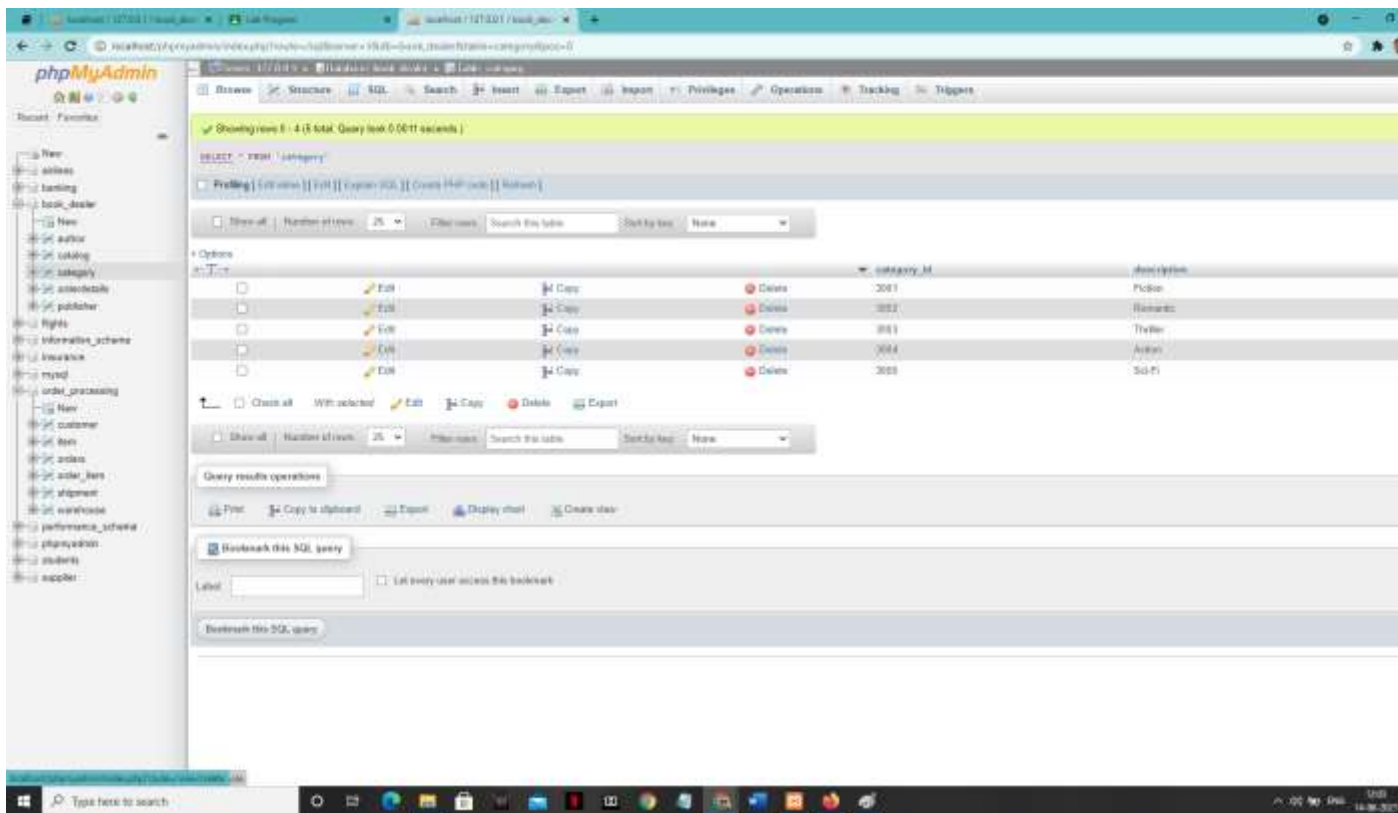
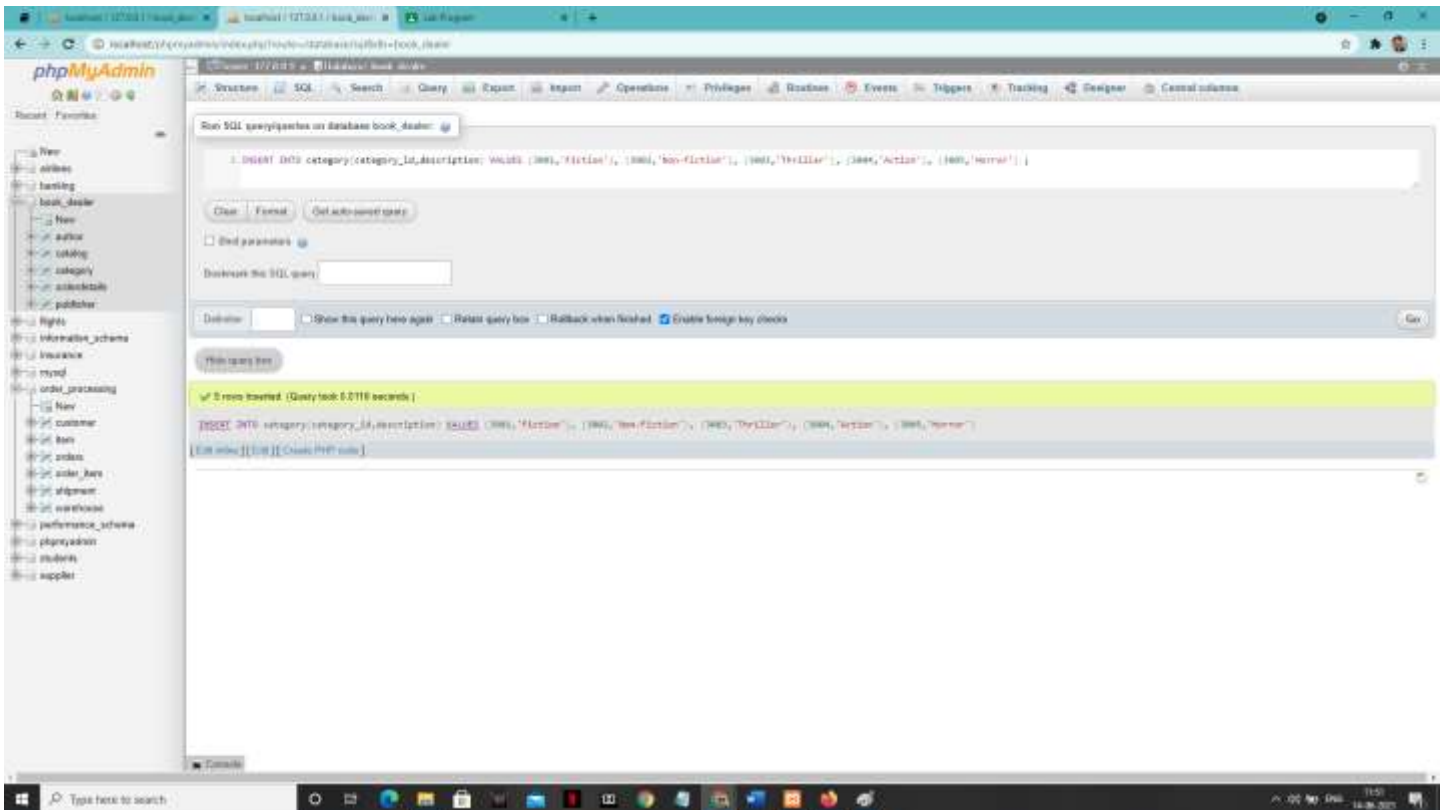
'Publisher' table:



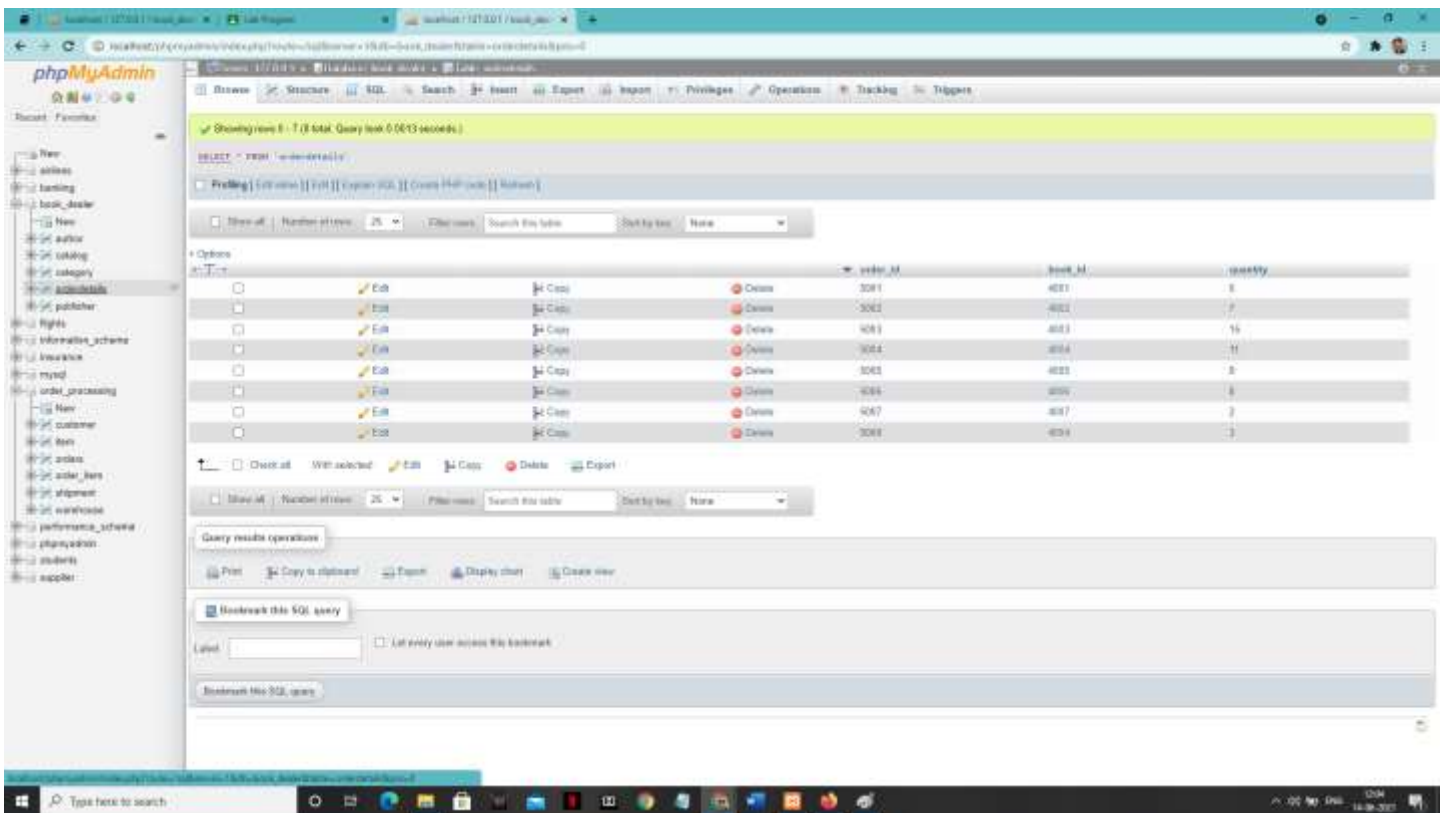
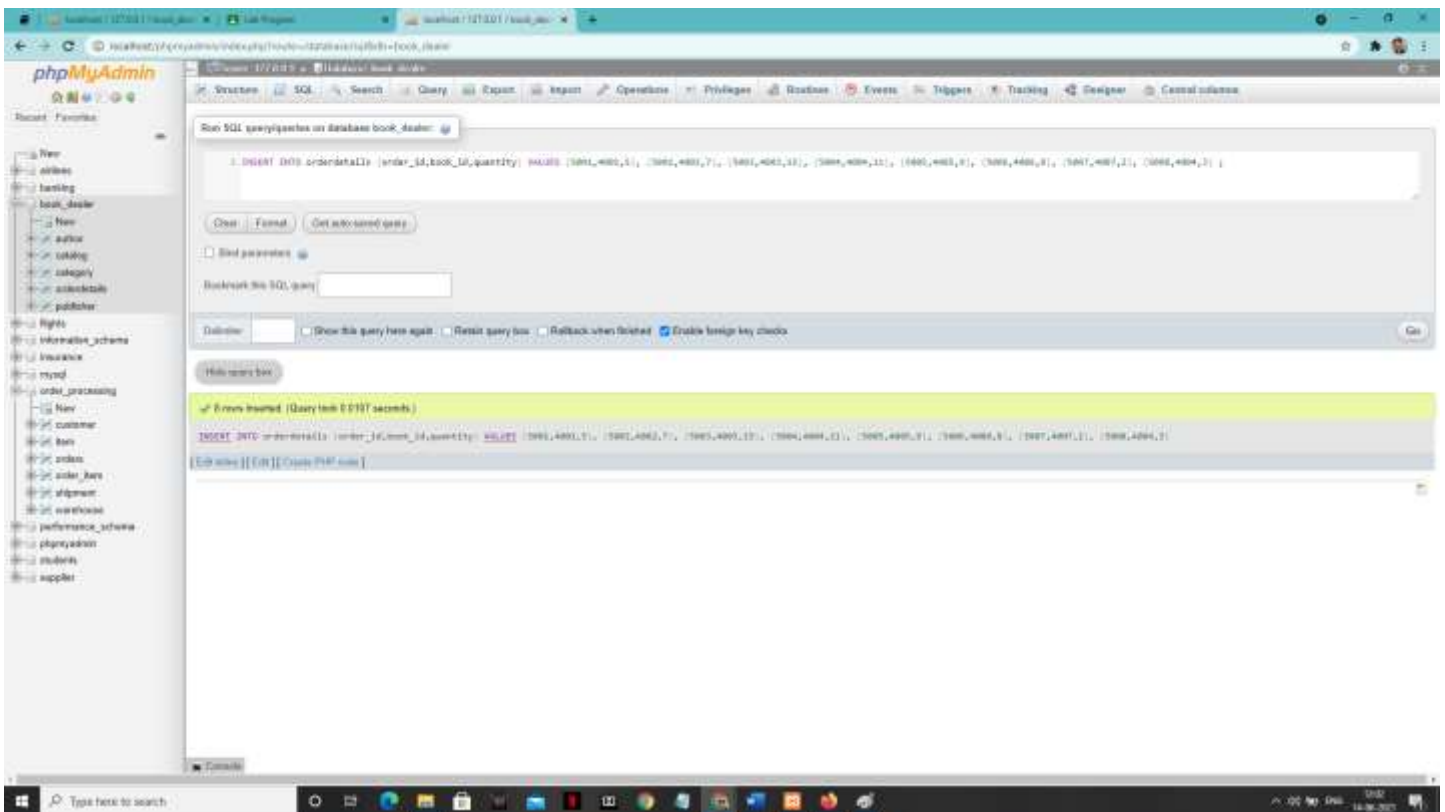
'Catalog' table:



'Category' value: -



'Orderdetails' table:



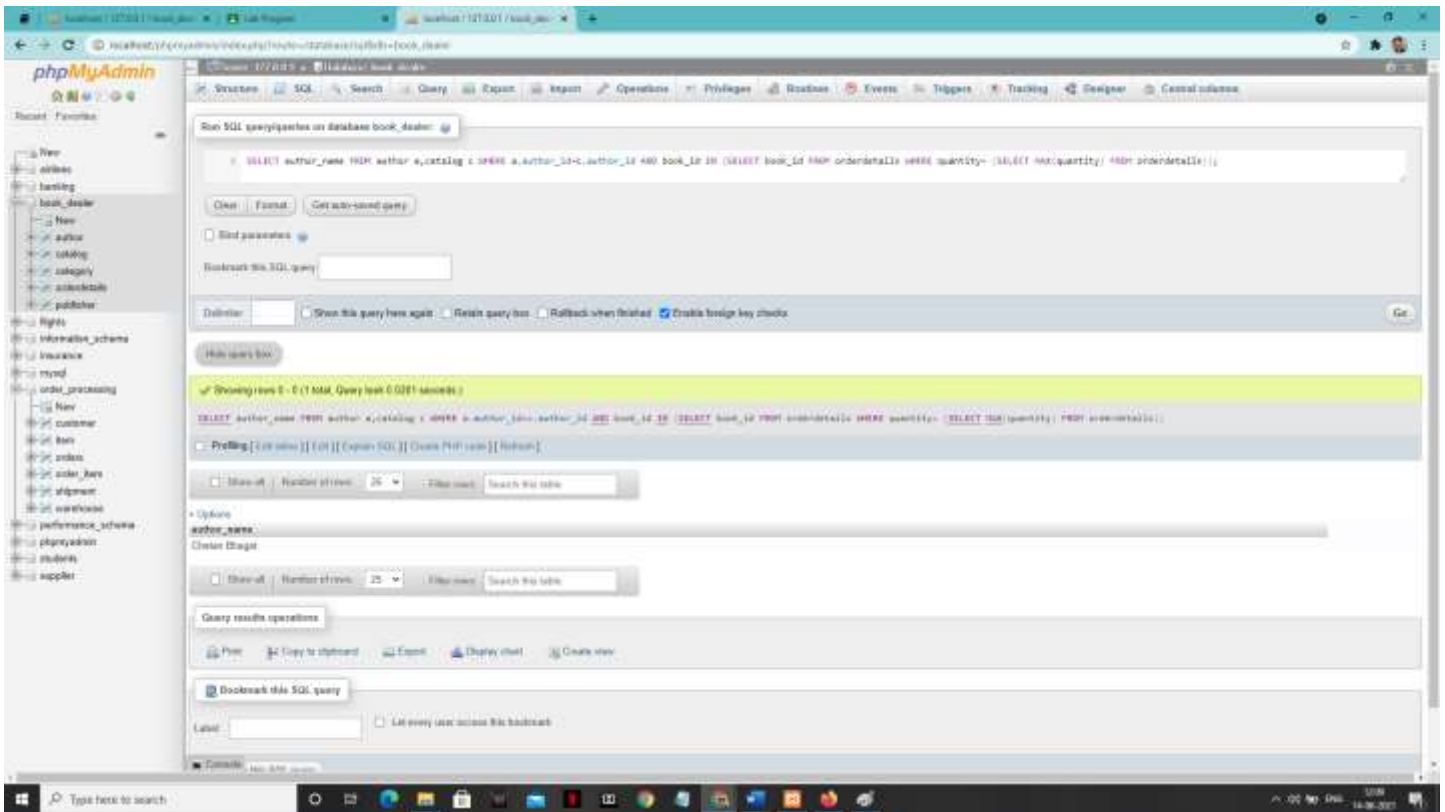
SOLUTION

The screenshot shows the phpMyAdmin interface with a SQL query executed. The query is:

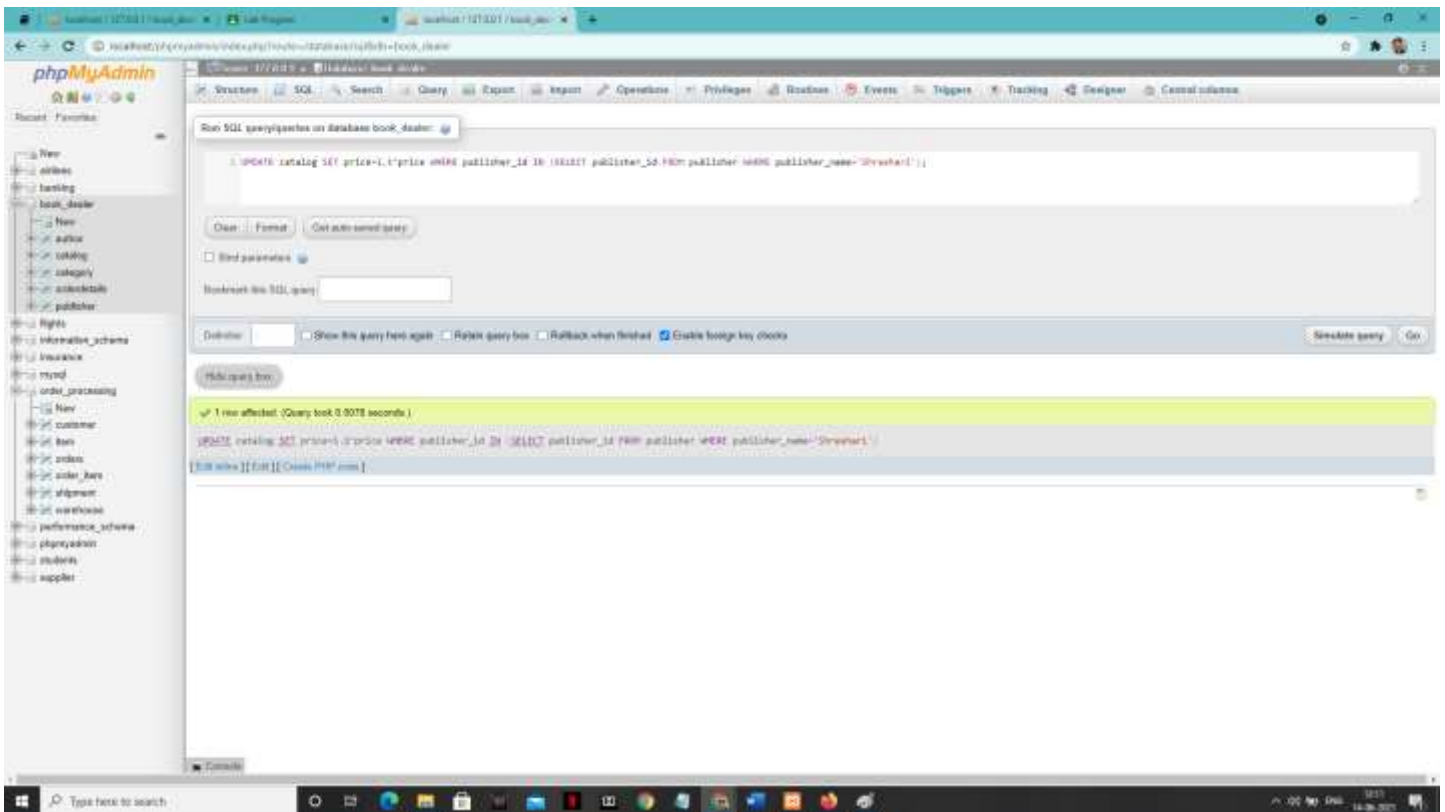
```
SELECT * FROM author WHERE author_id IN (SELECT author_id FROM catalog WHERE year=1999 AND price < (SELECT MAX(price) FROM catalog GROUP BY author_id HAVING COUNT(*) > 1))
```

The result shows one row:

author_id	author_name	author_city	author_country
1001	Lali Kumar	Mumbai	India



3:-



phpMyAdmin

Recent Favorites

Home

server

database

book_store

New

author

category

authorrole

publisher

Rights

information_schema

insurance

mysql

order_processing

New

customer

item

order

order_item

shipment

warehouse

performance_schema

phpmyadmin

students

supplier

Showing rows 6 - 6 (7 total. Query took 0.0012 seconds.)

SELECT * FROM `category`

Preview | Edit view | Edit | Export SQL | Copy HTML code | Refresh

Show all

Number of rows: 25

Filter rows

Search this table

Sort by text

None

Options

Book_ID

Book_Title

author_ID

publisher_ID

category_ID

year

price

<input type="checkbox"/>	4801	HP and Global Office	1001	2001	2002	888	
<input type="checkbox"/>	4802	Two States	1001	2002	2002	888	
<input type="checkbox"/>	4803	HP and Office (If Possible)	1002	2004	2001	888	
<input type="checkbox"/>	4804	3 Mistakes of my life	1002	2004	2001	888	
<input type="checkbox"/>	4805	Artificial Intelligence	1004	2002	2001	2004	888
<input type="checkbox"/>	4806	Algebra and Calculus	1004	2002	2001	2001	888
<input type="checkbox"/>	4807	On Your Code	1003	2002	2002	1570	688

Check all

With selector

Edit

Copy

Delete

Export

Show all

Number of rows: 25

Filter rows

Search this table

Sort by text

None

Query results operations

Print

Copy to clipboard

Export

Display chart

Create view

Bookmark this SQL query

Label:

☐ Let every user access this bookmark

Bookmark this SQL query

Type here to search

012

10-06-2020