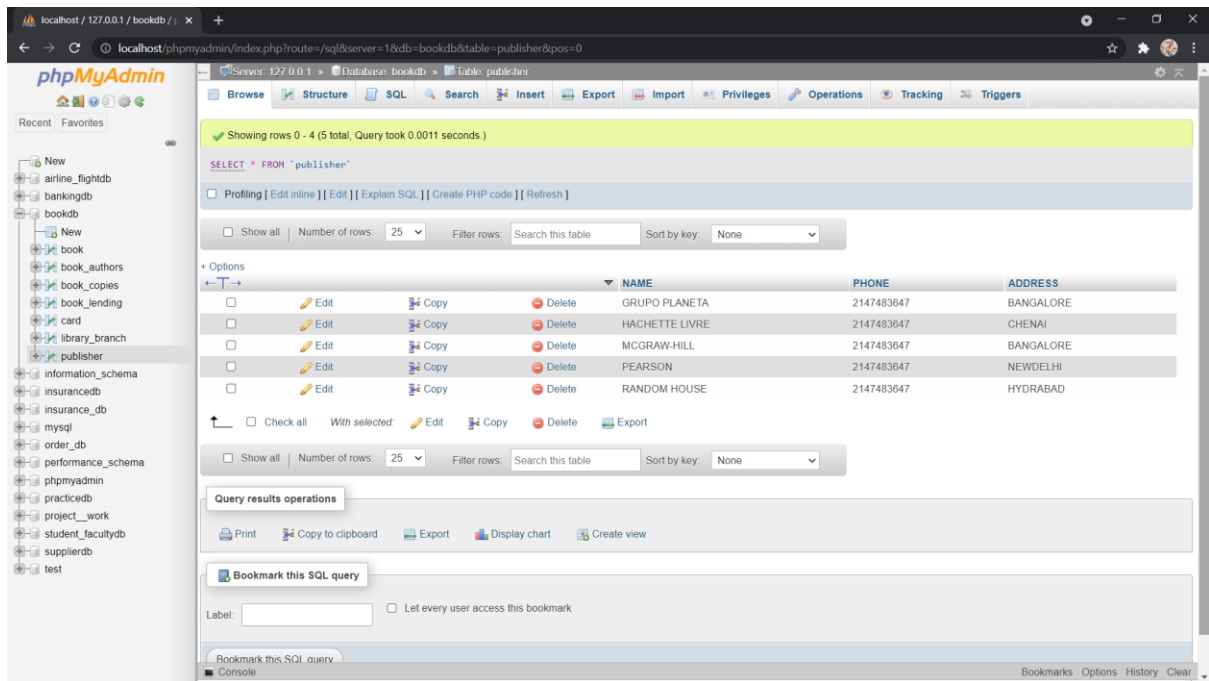


LAB 7 PROGRAM

TABLES

PUBLISHER



Showing rows 0 - 4 (5 total, Query took 0.0011 seconds)

```
SELECT * FROM `publisher`
```

Options: Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

| | NAME | PHONE | ADDRESS |
|--------------------------|----------------|------------|-----------|
| <input type="checkbox"/> | GRUPO PLANETA | 2147483647 | BANGALORE |
| <input type="checkbox"/> | HACHETTE LIVRE | 2147483647 | CHENAI |
| <input type="checkbox"/> | MCGRAW-HILL | 2147483647 | BANGALORE |
| <input type="checkbox"/> | PEARSON | 2147483647 | NEWDELHI |
| <input type="checkbox"/> | RANDOM HOUSE | 2147483647 | HYDRABAD |

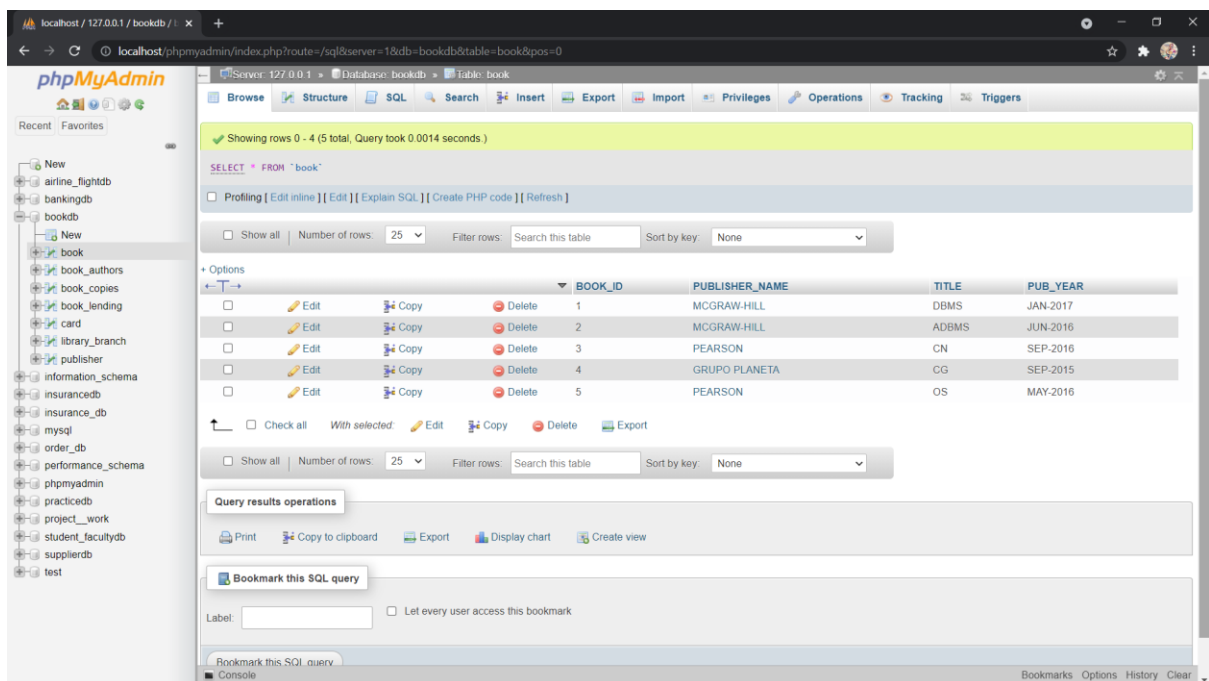
Query results operations: Print | Copy to clipboard | Export | Display chart | Create view

Bookmark this SQL query

Label: ☐ Let every user access this bookmark

Bookmark this SQL query

BOOK



Showing rows 0 - 4 (5 total, Query took 0.0014 seconds)

```
SELECT * FROM `book`
```

Options: Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

| | BOOK_ID | PUBLISHER_NAME | TITLE | PUB_YEAR |
|--------------------------|---------|----------------|-------|----------|
| <input type="checkbox"/> | 1 | MCGRAW-HILL | DBMS | JAN-2017 |
| <input type="checkbox"/> | 2 | MCGRAW-HILL | ADMS | JUN-2016 |
| <input type="checkbox"/> | 3 | PEARSON | CN | SEP-2016 |
| <input type="checkbox"/> | 4 | GRUPO PLANETA | CG | SEP-2015 |
| <input type="checkbox"/> | 5 | PEARSON | OS | MAY-2016 |

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

BOOK_AUTHORS

localhost / 127.0.0.1 / bookdb / i

localhost/phpmyadmin/index.php?route=/sql&server=1&db=bookdb&table=book_authors&pos=0

phpMyAdmin

Recent Favorites

- New
- airline_flightdb
- bankingdb
- bookdb
 - New
 - book
 - book_authors
 - book_copies
 - book_lending
 - card
 - library_branch
 - publisher
- information_schema
- insuredb
- insurance_db
- mysql
- order_db
- performance_schema
- phpmyadmin
- practicedb
- project_work
- student_facultydb
- supplierdb
- test

Showing rows 0 - 4 (5 total, Query took 0.0014 seconds)

SELECT * FROM `book_authors`

☐ Profiling ☐ Edit inline ☐ Edit ☐ Explain SQL ☐ Create PHP code ☐ Refresh

☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

+ Options

| | | | | AUTHOR_NAME | BOOK_ID |
|--------------------------|------|------|--------|--------------|---------|
| <input type="checkbox"/> | Edit | Copy | Delete | NAVATHE | 1 |
| <input type="checkbox"/> | Edit | Copy | Delete | NAVATHE | 2 |
| <input type="checkbox"/> | Edit | Copy | Delete | TANENBAUM | 3 |
| <input type="checkbox"/> | Edit | Copy | Delete | EDWARD ANGEL | 4 |
| <input type="checkbox"/> | Edit | Copy | Delete | GALVIN | 5 |

☐ Check all | With selected: Edit Copy Delete Export

☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: 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

Console

Bookmarks Options History Clear

BOOK_COPIES

localhost / 127.0.0.1 / bookdb / i

localhost/phpmyadmin/index.php?route=/sql&server=1&db=bookdb&table=book_copies&pos=0

phpMyAdmin

Recent Favorites

- New
- airline_flightdb
- bankingdb
- bookdb
 - New
 - book
 - book_authors
 - book_copies
 - book_lending
 - card
 - library_branch
 - publisher
- information_schema
- insuredb
- insurance_db
- mysql
- order_db
- performance_schema
- phpmyadmin
- practicedb
- project_work
- student_facultydb
- supplierdb
- test

Showing rows 0 - 6 (7 total, Query took 0.0021 seconds)

SELECT * FROM `book_copies`

☐ Profiling ☐ Edit inline ☐ Edit ☐ Explain SQL ☐ Create PHP code ☐ Refresh

☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

+ Options

| | | | | NO_OF_COPIES | BOOK_ID | BRANCH_ID |
|--------------------------|------|------|--------|--------------|---------|-----------|
| <input type="checkbox"/> | Edit | Copy | Delete | 10 | 1 | 10 |
| <input type="checkbox"/> | Edit | Copy | Delete | 5 | 1 | 11 |
| <input type="checkbox"/> | Edit | Copy | Delete | 2 | 2 | 12 |
| <input type="checkbox"/> | Edit | Copy | Delete | 5 | 2 | 13 |
| <input type="checkbox"/> | Edit | Copy | Delete | 7 | 3 | 14 |
| <input type="checkbox"/> | Edit | Copy | Delete | 3 | 4 | 11 |
| <input type="checkbox"/> | Edit | Copy | Delete | 1 | 5 | 10 |

☐ Check all | With selected: Edit Copy Delete Export

☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

Query results operations

☐ Print ☐ Copy to clipboard ☐ Export ☐ Display chart ☐ Create view

Bookmark this SQL query

Label: ☐ Let every user access this bookmark

Console

Bookmarks Options History Clear

BOOK_LENDING

localhost / 127.0.0.1 / bookdb /

localhost:phpmyadmin/index.php?route=/sql&server=1&db=bookdb&table=book_lending&pos=0

phpMyAdmin

Recent Favorites

- New
- airline_flightdb
- bankingdb
- bookdb
 - New
 - book
 - book_authors
 - book_copies
 - book_lending
 - card
 - library_branch
 - publisher
- information_schema
- insurancedb
- insurance_db
- mysql
- order_db
- performance_schema
- phpmyadmin
- practicadb
- project_work
- student_facultydb
- supplierdb
- test

Server: 127.0.0.1 * Database: bookdb * Table: book_lending

Browse Structure SQL Search Insert Export Import Privileges Operations Tracking Triggers

Showing rows 0 - 4 (5 total, Query took 0.0011 seconds)

SELECT * FROM `book_lending`

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

Options

| | | | DATE_OUT | DUE_DATE | BOOK_ID | BRANCH_ID | CARD_NO | |
|--------------------------|------|------|----------|------------|------------|-----------|---------|-----|
| <input type="checkbox"/> | Edit | Copy | Delete | 2017-01-01 | 2017-06-01 | 1 | 10 | 101 |
| <input type="checkbox"/> | Edit | Copy | Delete | 2017-01-11 | 2017-03-11 | 1 | 11 | 104 |
| <input type="checkbox"/> | Edit | Copy | Delete | 2017-02-21 | 2017-04-21 | 2 | 13 | 101 |
| <input type="checkbox"/> | Edit | Copy | Delete | 2017-03-15 | 2017-07-15 | 3 | 14 | 101 |
| <input type="checkbox"/> | Edit | Copy | Delete | 2017-04-12 | 2017-05-12 | 4 | 11 | 101 |

Check all | With selected: Edit Copy Delete Export

Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: 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

Console

localhost / 127.0.0.1 / bookdb /

localhost:phpmyadmin/index.php?route=/sql&server=1&db=bookdb&table=card&pos=0

phpMyAdmin

Recent Favorites

- New
- airline_flightdb
- bankingdb
- bookdb
 - New
 - book
 - book_authors
 - book_copies
 - book_lending
 - card
 - library_branch
 - publisher
- information_schema
- insurancedb
- insurance_db
- mysql
- order_db
- performance_schema
- phpmyadmin
- practicadb
- project_work
- student_facultydb
- supplierdb
- test

Server: 127.0.0.1 * Database: bookdb * Table: card

Browse Structure SQL Search Insert Export Import Privileges Operations Tracking Triggers

Showing rows 0 - 4 (5 total, Query took 0.0011 seconds)

SELECT * FROM `card`

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

Options

| | | | | CARD_NO |
|--------------------------|------|------|--------|---------|
| <input type="checkbox"/> | Edit | Copy | Delete | 100 |
| <input type="checkbox"/> | Edit | Copy | Delete | 101 |
| <input type="checkbox"/> | Edit | Copy | Delete | 102 |
| <input type="checkbox"/> | Edit | Copy | Delete | 103 |
| <input type="checkbox"/> | Edit | Copy | Delete | 104 |

Check all | With selected: Edit Copy Delete Export

Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: 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

Console

LIBRARY_BRANCH

The screenshot shows the phpMyAdmin interface for the 'bookdb' database. The 'library_branch' table is selected, showing its structure and data. The table has three columns: BRANCH_ID, BRANCH_NAME, and ADDRESS. The data is as follows:

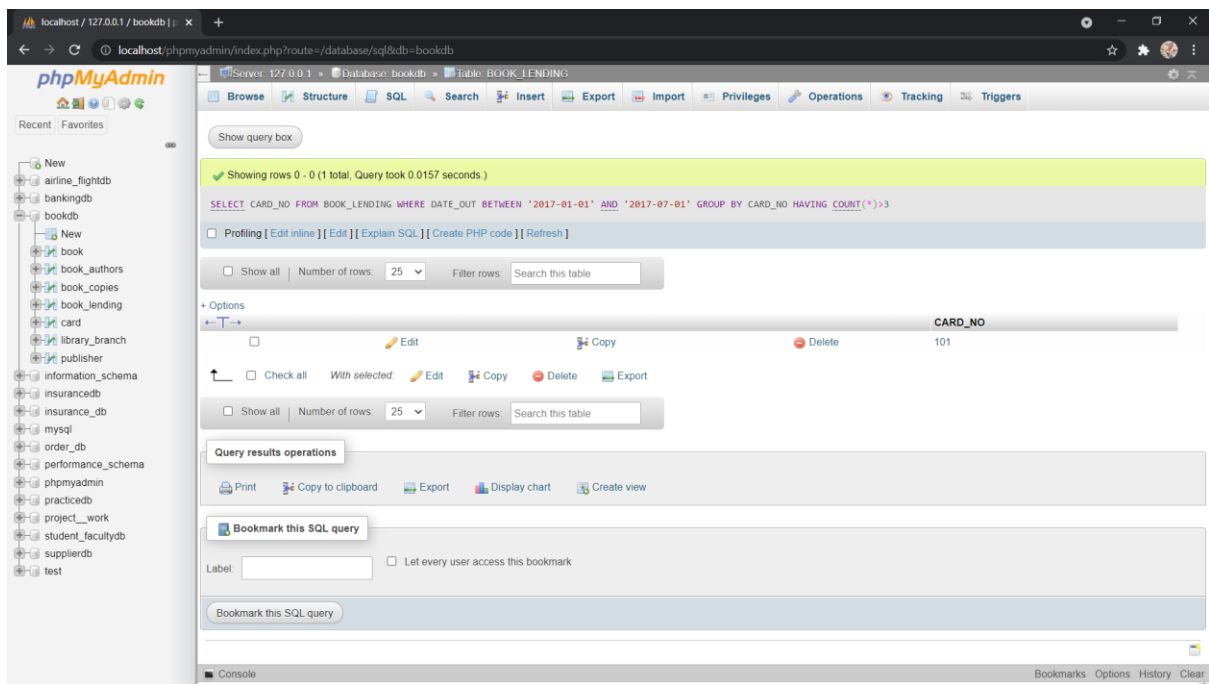
| BRANCH_ID | BRANCH_NAME | ADDRESS |
|-----------|--------------|-----------|
| 10 | RR NAGAR | BANGALORE |
| 11 | RNSIT | BANGALORE |
| 12 | RAJAJI NAGAR | BANGALORE |
| 13 | NITTE | MANGALORE |
| 14 | MANIPAL | UDUPI |

Retrieve details of all books in the library – id, title, name of publisher, authors, number of copies in each branch, etc.

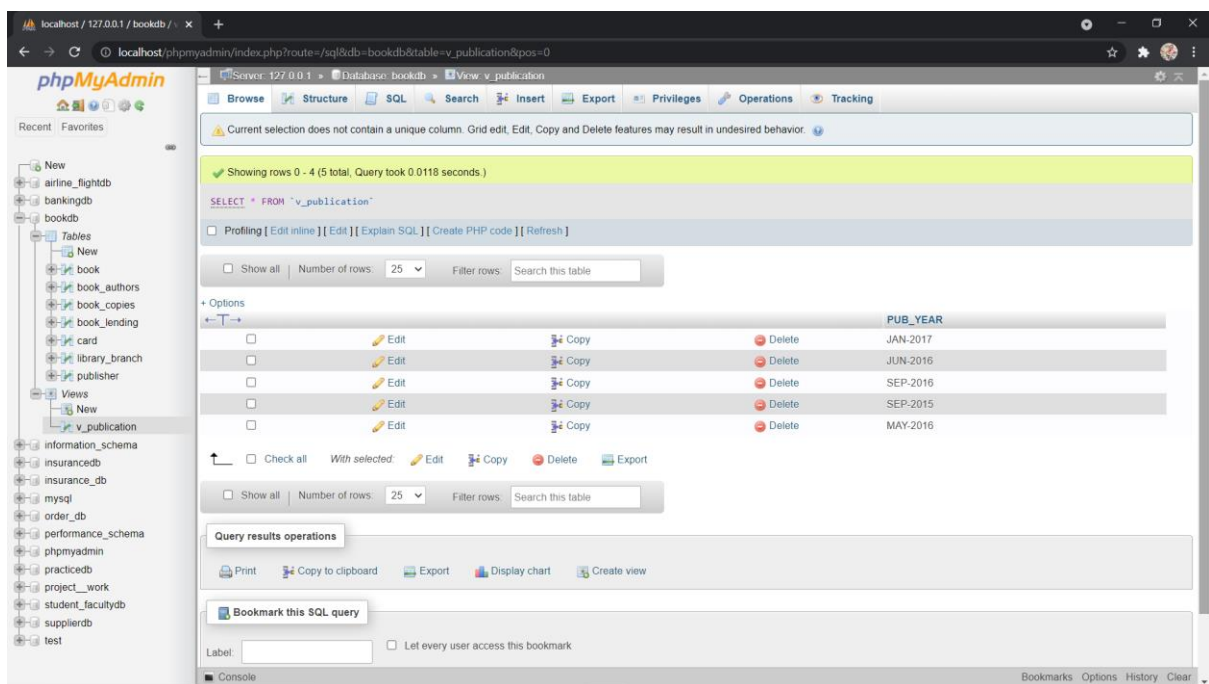
The screenshot shows the phpMyAdmin interface with a complex SQL query executed. The query joins the 'book', 'book_authors', 'book_copies', and 'library_branch' tables to retrieve details of all books in the library. The results are as follows:

| BOOK_ID | TITLE | PUBLISHER_NAME | AUTHOR_NAME | NO_OF_COPIES | BRANCH_ID |
|---------|-------|----------------|--------------|--------------|-----------|
| 1 | DBMS | MCGRAW-HILL | NAVATHE | 10 | 10 |
| 1 | DBMS | MCGRAW-HILL | NAVATHE | 5 | 11 |
| 2 | ADBMS | MCGRAW-HILL | NAVATHE | 2 | 12 |
| 2 | ADBMS | MCGRAW-HILL | NAVATHE | 5 | 13 |
| 3 | CN | PEARSON | TANENBAUM | 7 | 14 |
| 4 | CG | GRUPO PLANETA | EDWARD ANGEL | 3 | 11 |
| 5 | OS | PEARSON | GALVIN | 1 | 10 |

Get the particulars of borrowers who have borrowed more than 3 books, but from Jan 2017 to Jun 2017.



Partition the BOOK table based on year of publication. Demonstrate its working with a simple query.



Create a view of all books and its number of copies that are currently available in the Library.

localhost / 127.0.0.1 / bookdb / . x

localhost/phpmyadmin/index.php?route=/sql&server=1&db=bookdb&table=v_books&pos=0

phpMyAdmin

Recent Favorites

airline_flightdb
bankingdb
bookdb
Tables
New
book
book_authors
book_copies
book_lending
card
library_branch
publisher
Views
New
v_books
v_publication
information_schema
insurancedb
insurance_db
mysql
order_db
performance_schema
phpmyadmin
practicedb
project_work
student_facultydb
supplierdb
test

Server: 127.0.0.1 * Database: bookdb * View: v_books

Browse Structure SQL Search Insert Export Privileges Operations Tracking

Current selection does not contain a unique column. Grid edit, Edit, Copy and Delete features may result in undesired behavior.

Showing rows 0 - 6 (7 total, Query took 0.0121 seconds)

SELECT * FROM `v_books`

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Show all Number of rows: 25 Filter rows: Search this table

Options

| | | | | BOOK_ID | TITLE | NO_OF_COPIES |
|--------------------------|------|------|--------|---------|-------|--------------|
| <input type="checkbox"/> | Edit | Copy | Delete | 1 | DBMS | 10 |
| <input type="checkbox"/> | Edit | Copy | Delete | 1 | DBMS | 5 |
| <input type="checkbox"/> | Edit | Copy | Delete | 2 | ADBMS | 2 |
| <input type="checkbox"/> | Edit | Copy | Delete | 2 | ADBMS | 5 |
| <input type="checkbox"/> | Edit | Copy | Delete | 3 | CN | 7 |
| <input type="checkbox"/> | Edit | Copy | Delete | 4 | CG | 3 |
| <input type="checkbox"/> | Edit | Copy | Delete | 5 | OS | 1 |

Check all With selected: Edit Copy Delete Export

Show all Number of rows: 25 Filter rows: Search this table

Query results operations

Print Copy to clipboard Export Display chart Create view

Bookmark this SQL query

Console Bookmarks Options History Clear