CS309 DBMS LAB

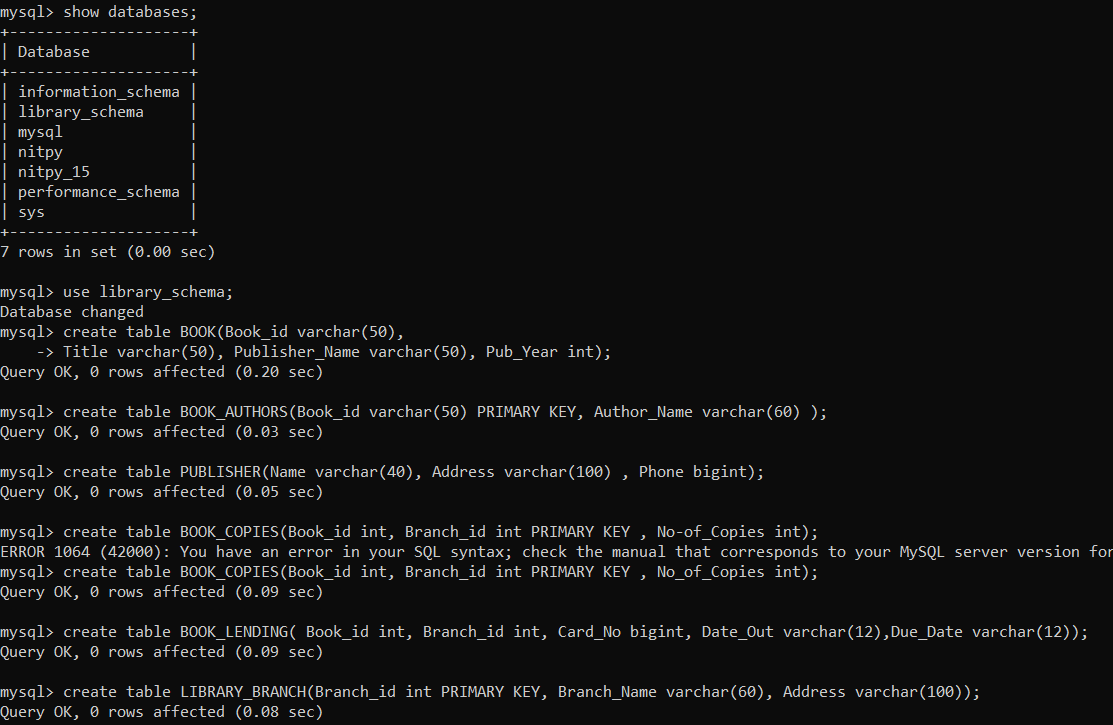
ASSIGNMENT # 3

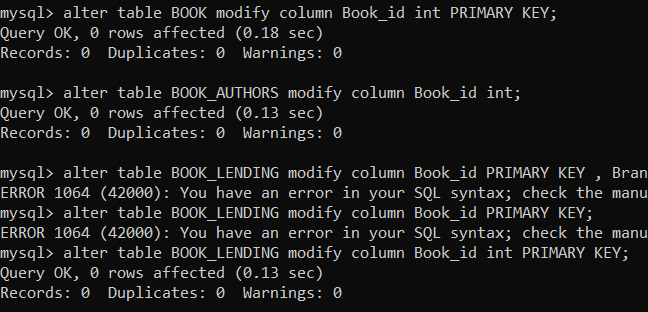
B.Catherine Joyce Date: 2/10/21

CS19B1015

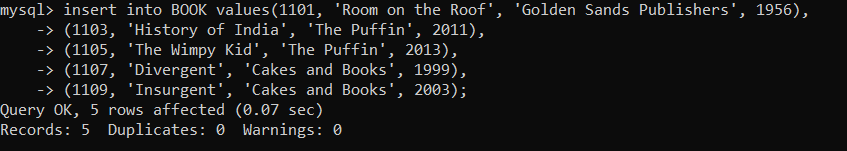
Done using MySQL 8.0 Line Client

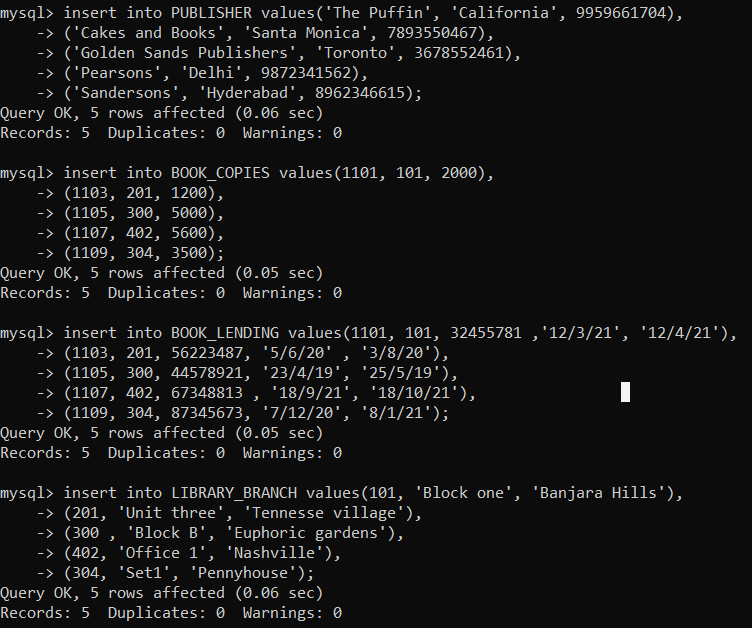
Database name - library\_schema





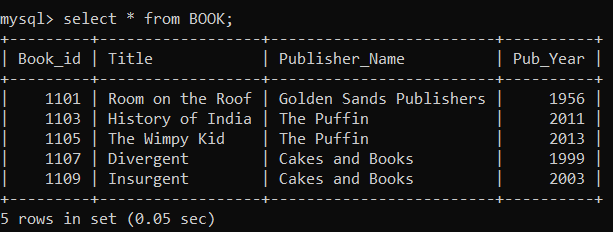
Inserting Values-



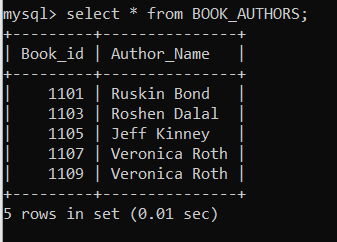


Showing tables-

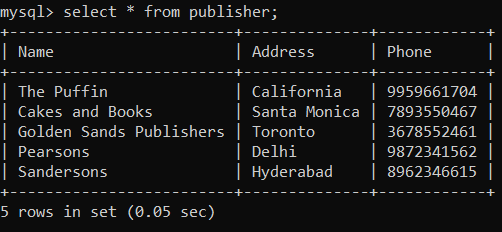
1. BOOK



2.BOOK\_AUTHORS



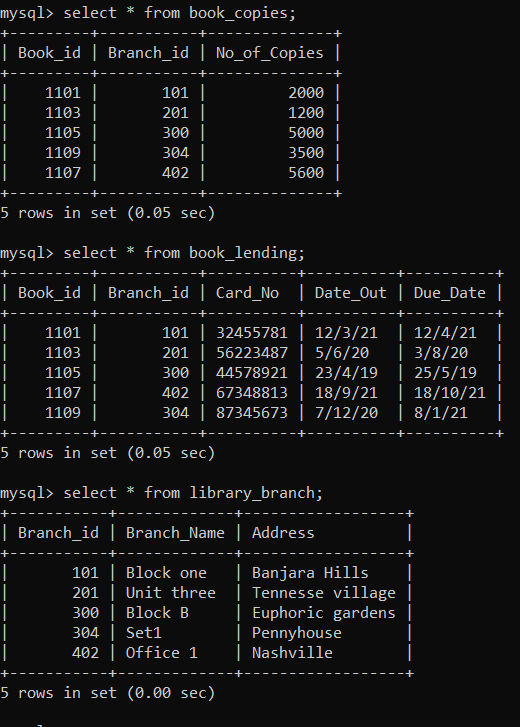
3.PUBLISHER



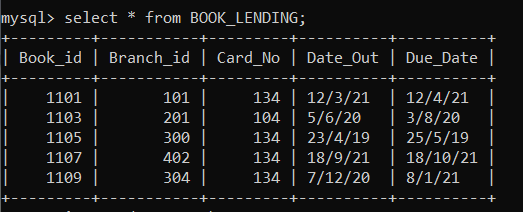
4.BOOK\_COPIES

5.BOOK\_LENDING

6. LIBRARY\_BRANCH



Updated Card\_No in BOOK\_LENDING table

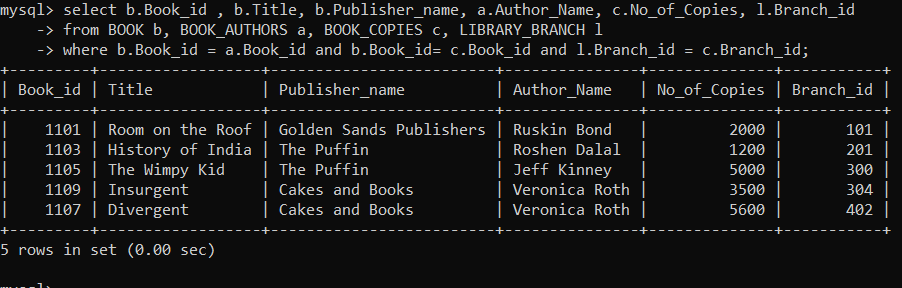


SQL QUERIES-

1. SELECT b.Book\_id, b.Title, b.Pulisher\_Name, a.Author\_Name, c.No\_of\_Copies, l.Branch\_id

FROM BOOK b, BOOK\_AUTHORS a, BOOK\_COPIES c, LIBRARY\_BRANCH l

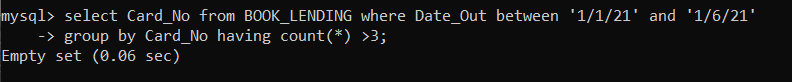
WHERE b.Book\_id = a.Book\_id AND b.Book\_id = c.Book\_id AND l.Branch\_id = c.Branch\_id;



1. SELECT Card\_No FROM BOOK\_LENDING

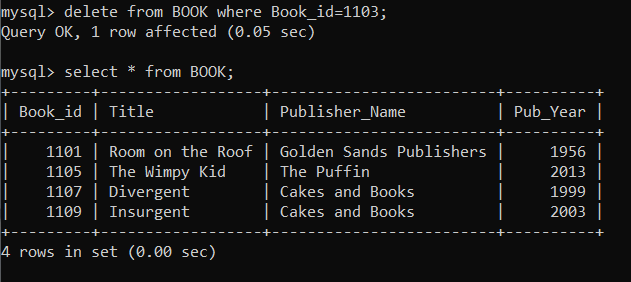
WHERE Date\_Out between ‘1/1/21’ AND ‘1/6/21’

GROUP BY Card\_No HAVING count(\*)>3;

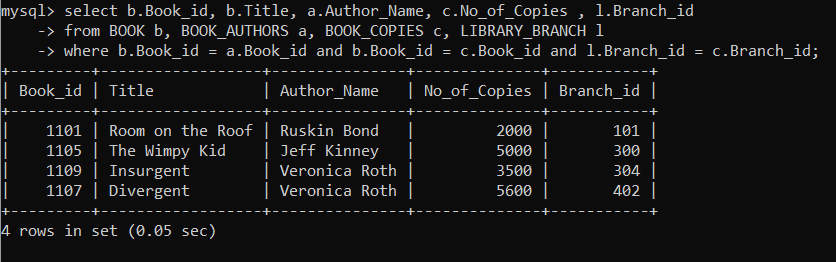


The query results in an empty table, as there were no borrowers who borrowed more than 3 books from jan 2021 to june 2021.

1. DELETE FROM BOOK WHERE Book\_id = 1103;

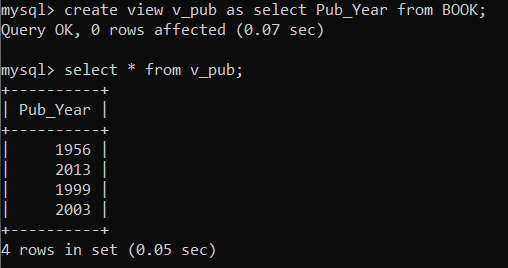


Deleting tuple with Book\_id 1103 from all tables



1. CREATE VIEW v\_pub AS SELECT Pub\_Year FROM BOOK;

To display view - SELECT \* FROM v\_pub;

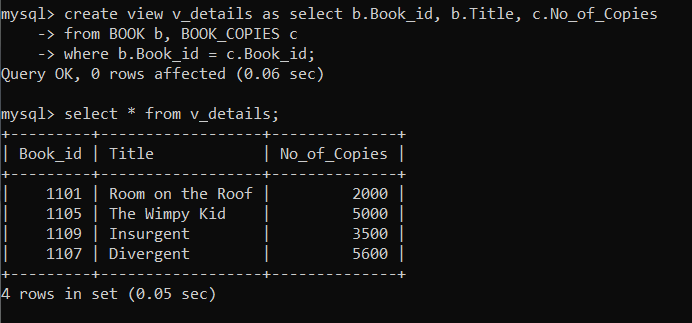


1. CREATE VIEW v\_details AS SELECT b.Book\_id, b.Title, c.No\_of\_copies

FROM BOOK b, BOOK\_COPIES c

WHERE b.Book\_id = c.Book\_id;

To display the view - SELECT \* FROM v\_details;



Result - The queries were performed and outputs were shown successfully