# NATIONAL INSTITUTE OF TECHNOLOGY PUDUCHERRY

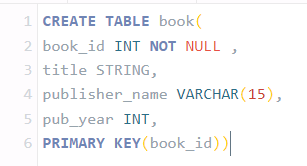
## (An Institution of National Importance under MHRD, Govt. of India)

**KARAIKAL – 609 609**

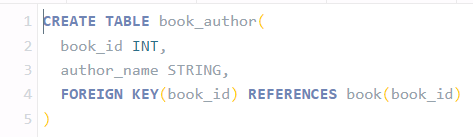
**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

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| **Roll Number:** | CS19B1068 | **Name:** | Aneesha Rose Sunil |
| **Semester:** | V | **Class:** | BTech. 3rd Year |
| **Subject Code:** | CS309 | **Subject Name:** | DBMS Lab |

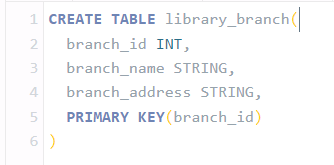
**Assignment   3   
Schema for a Library Database**  
  
  
BOOK (Book\_id, Title, Publisher\_Name, Pub\_Year)  
BOOK\_AUTHORS (Book\_id, Author\_Name)  
PUBLISHER (Name, Address, Phone)   
BOOK\_COPIES (Book\_id, Branch\_id, No-of\_Copies)  
BOOK\_LENDING (Book\_id, Branch\_id, Card\_No, Date\_Out, Due\_Date)  
LIBRARY\_BRANCH (Branch\_id, Branch\_Name, Address)  
  
  
Write SQL queries to  
1. Retrieve details of all books in the library – id, title, name of publisher, authors, number  
of copies in each branch,etc.  
2. Get the particulars of borrowers who have borrowed more than 3 books, but from Jan  
2021 to Jun2021  
3. Delete a book in BOOK table. Update the contents of other tables to reflect this data  
manipulation operation.  
4. Partition the BOOK table based on year of publication. Demonstrate its working with a  
simple query.  
5. Create a view of all books and its number of copies that are currently available in the  
Library.

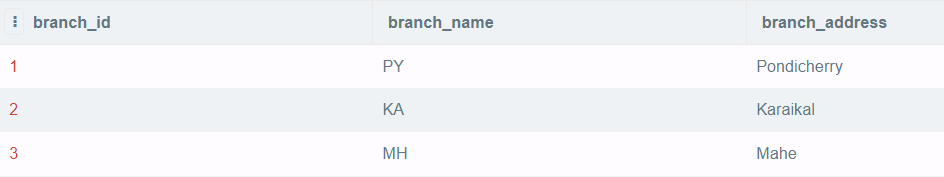


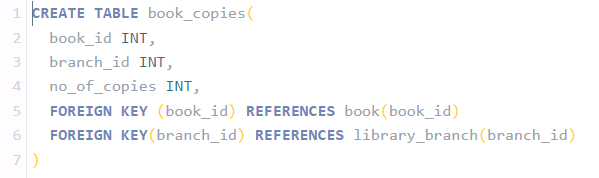


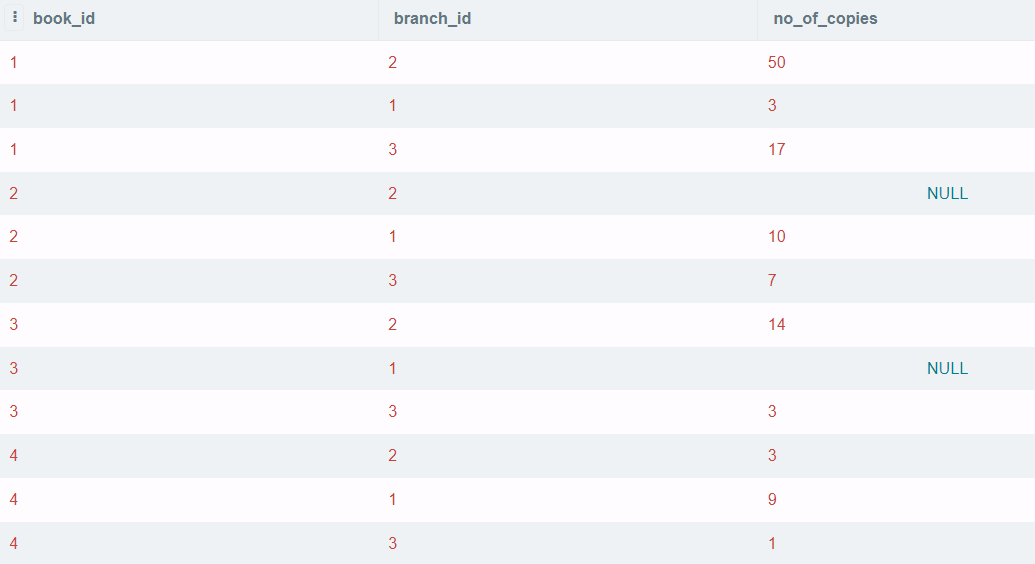


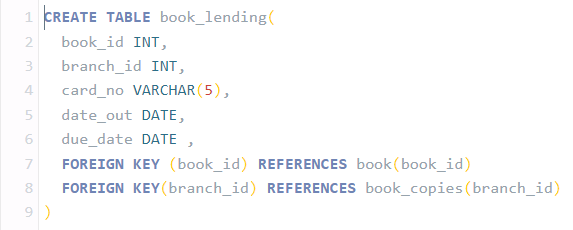


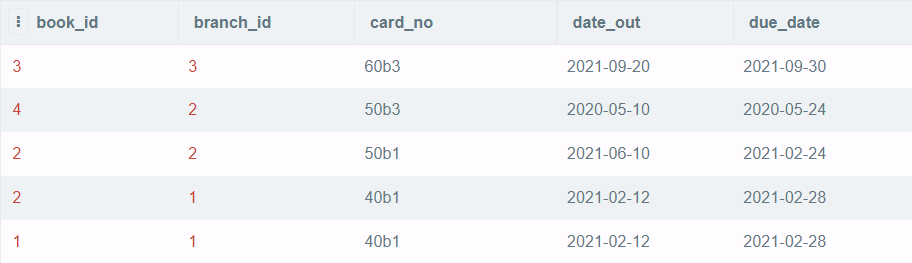




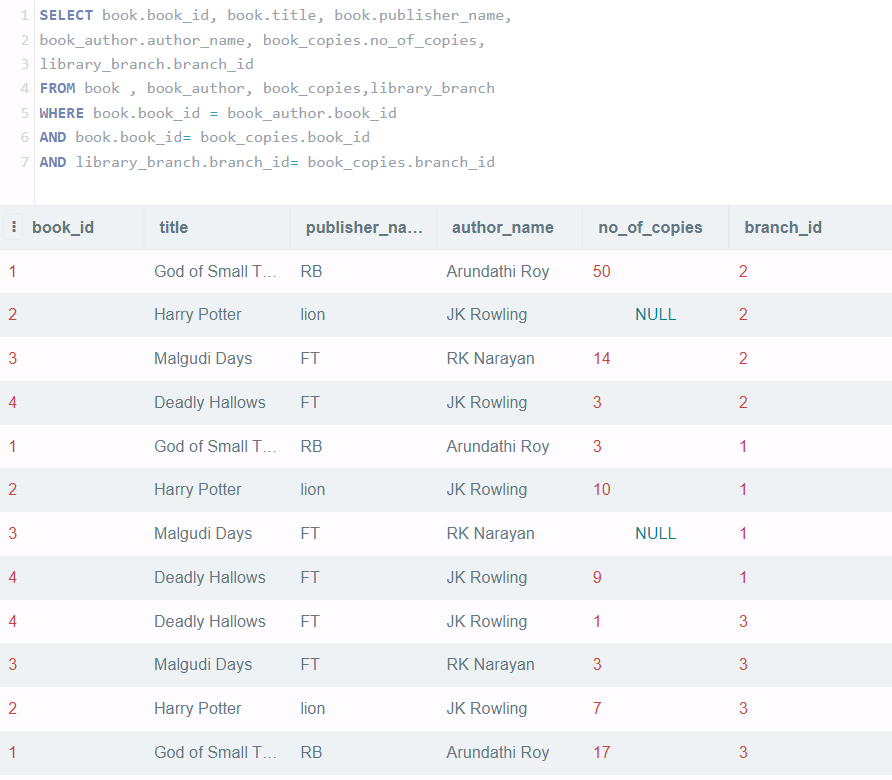




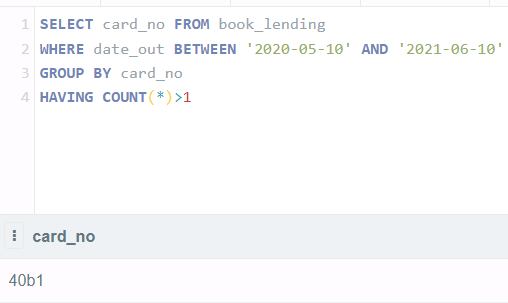




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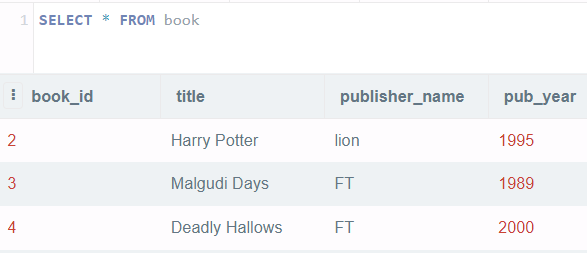


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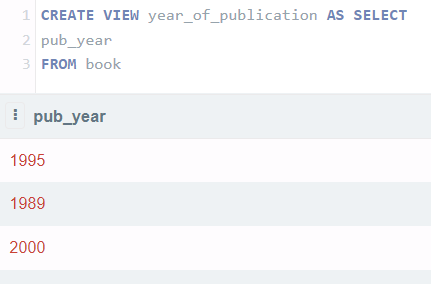


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