

## Root1SQL Assignment

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### Library System

Use the Schema from previous assignment to perform the given set of queries.

- 1) List all the books that are written by Author Loni and has price less than 600.
- 2) List the Issue details for the books that are not returned yet.
- 3) Update all the blank return\_date with 31-Dec-06 excluding 7005 and 7006.
- 4) List all the Issue details that have books issued for more than 30 days.
- 5) List all the books that have price in range of 500 to 750 and has category as Database.
- 6) List all the books that belong to any one of the following categories Science, Database, Fiction, Management.
- 7) List all the members in the descending order of Penalty due on them.
- 8) Modify the price of book with id 103 to Rs 300 and category to RDBMS.
- 9) List all the books in ascending order of category and descending order of price.
- 10) List all the books that contain word SQL in the name of the book.
- 11) List the Lib\_Issue\_Id, Issue\_Date, Return\_Date and No of days Book was issued.
- 12) Find the details of the member of the Library in the order of their joining the library.
- 13) Display the count of total no of books issued to Member 101.
- 14) Display the total penalty due for all the members.

- 15) Display the total no of members
- 16) Display the total no of books issued
- 17) Display the average membership fees paid by all the members
- 18) List the various categories and count of books in each category.
- 19) List the book\_No and the number of times the book is issued in the descending order of count.
- 20) Find the maximum, minimum, total and average penalty amount in the member table.
- 21) Display the member id and the no of books for each member that has issued more then 2 books.
- 22) Display the member id, book no and no of times the same book is issued by the member in the descending order of count.
- 23) Display the month and no of books issued each month in the descending order of count.
- 24) List the book\_no of all the books that are not issued to any member so far.
- 25) List all the member id that exist in member table and has also at least one book issued by them.
- 26) List the member ID with highest and lowest no of books issued.
- 27) List all the Issue\_details for books issued in December and July without using any arithmetic, Logical or comparison operator.
- 28) List the Book\_No, Book\_Name and Issue\_date for all the books that are issued in month of December and belong to category Database.
- 29) List the Member Id, Member Name and max books allowed in the descending order of the max books allowed.
- 30) List the Book No, Book Name, Issue\_date and Return\_Date for all the books issued by Richa Sharma.
- 31) List the details of all the members that have issued books in Database category.
- 32) List all the books that have highest price in their own category.
- 33) List all the Issue\_Details where Issue\_date is not within the Acc\_open\_date and Return\_date for that member.
- 34) List all the members that have not issued a single book so far.
- 35) List all the members that have issued the same book as issued by Garima.
- 36) List the Book\_Name, Price of all the books that are not returned for more then 30 days.

- 37) List all the authors and book\_name that has more then 1 book written by them.
- 38) List the Member ID, Member Name of the people that have issued the highest and the lowest no of books.
- 39) List the details of highest 3 priced books.
- 40) List the total cost of all the books that are currently issued but not returned.
- 41) List the details of the book that has been issued maximum no of times.
- 42) List how many books are issued to lifetime members.
- 43) List all member types and how many members are there in each type.
- 44) List first 5 members who had joined library.
- 45) List the members with their member type, who have issued books during the period 1<sup>st</sup> December to 31<sup>st</sup> December.
- 46) List all the members who have not returned books yet.
- 47) List all the members who joined library on the same date Garima joined.
- 48) List all the members who has issued books from author "Loni" in the month of December
- 49) List names of the authors whose books are least issued by lifetime members.
- 50) List the names of members who has issued the books whose cost is more than 300 rupees and whose author is "Scott Urman"
- 51) List all lifetime members who joined library during 1<sup>st</sup> January 2006 to 31<sup>st</sup> December 2006 but issued only one book.
- 52) Modify the Penalty\_Amount for Garima Sen to Rs 100.

