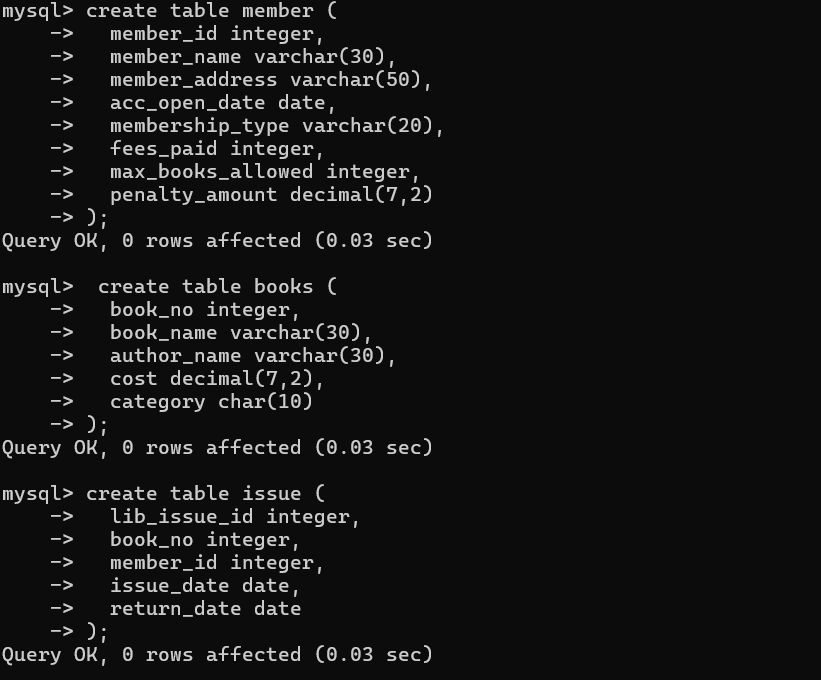
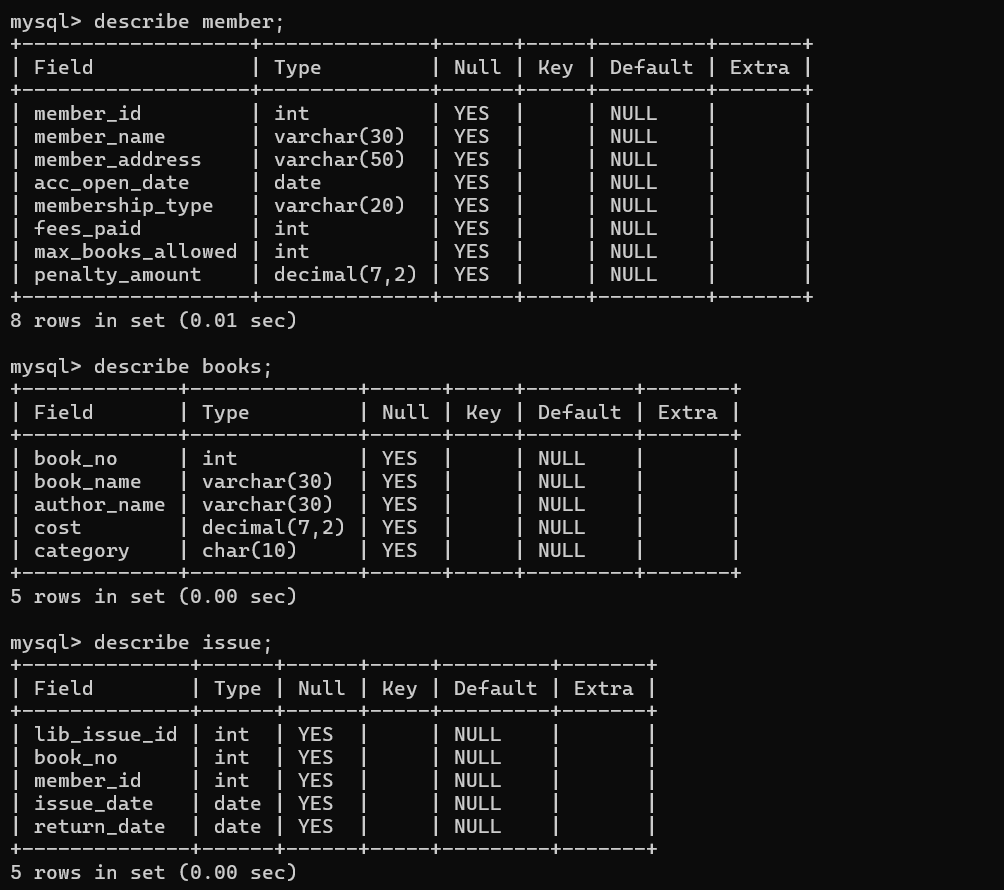
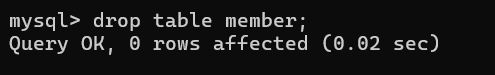
Assignment 2

1) Create the table Member, Books and Issue without any constraints as mentioned in the schema description above.

2) View the structure of the table

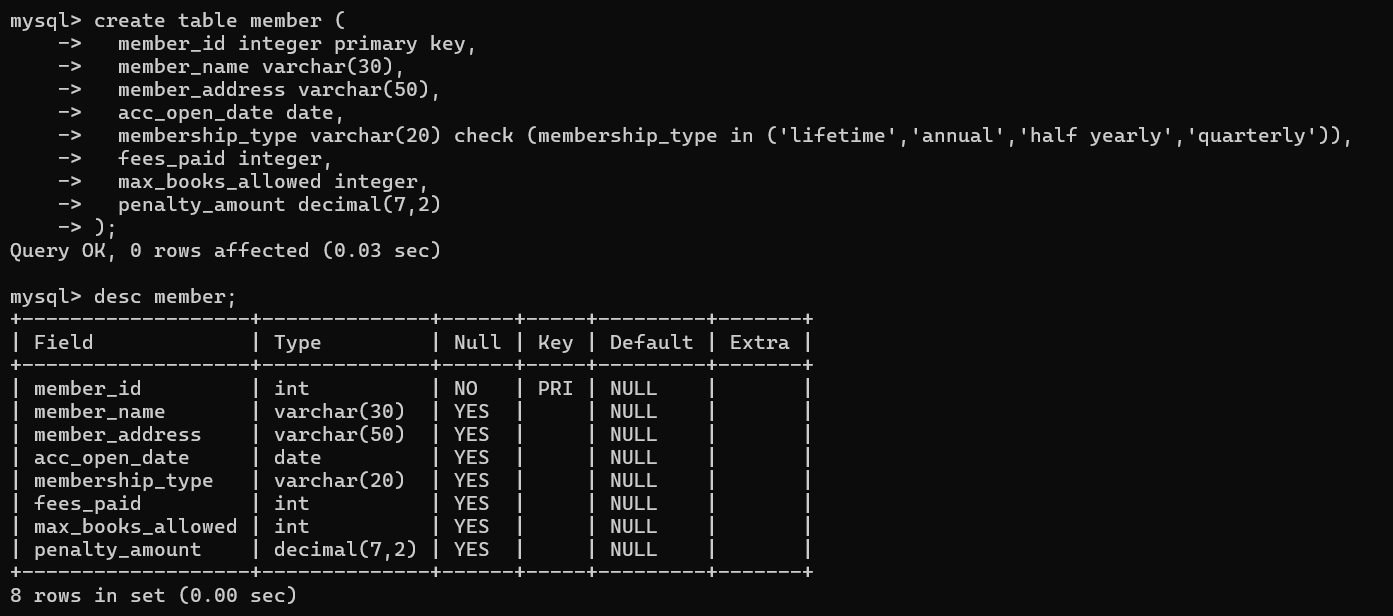
3) Drop the Member table



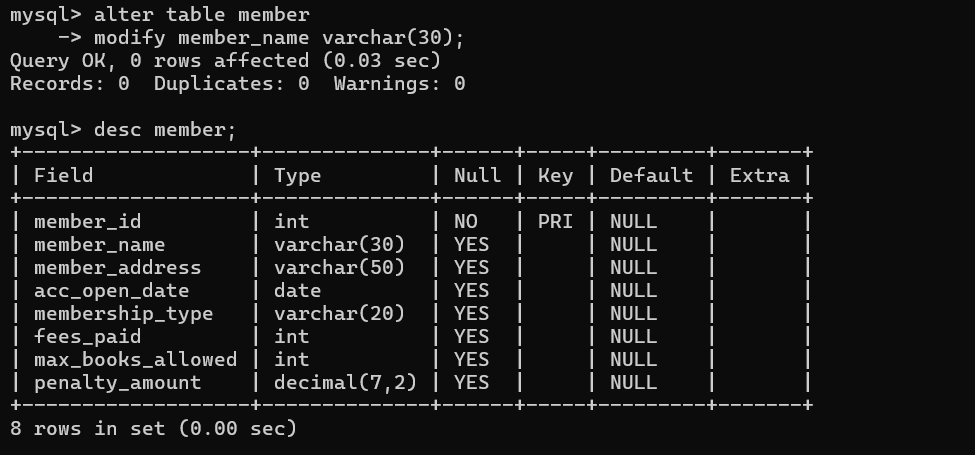
4) Create the table Member again as per the schema description with the

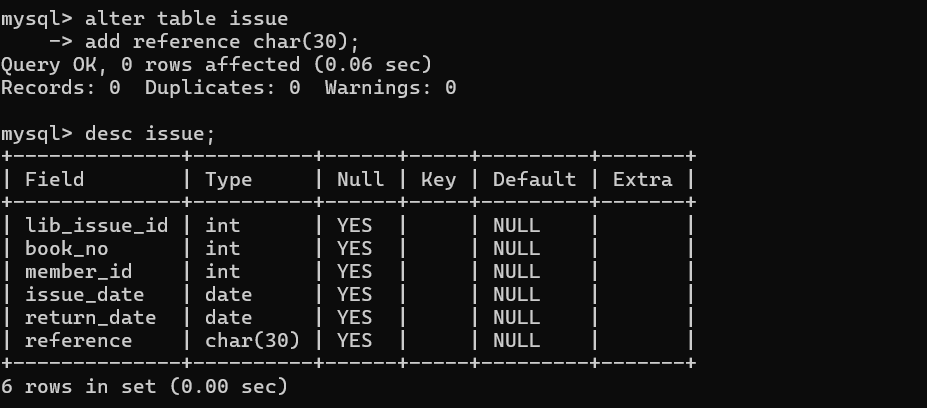
following constraints.

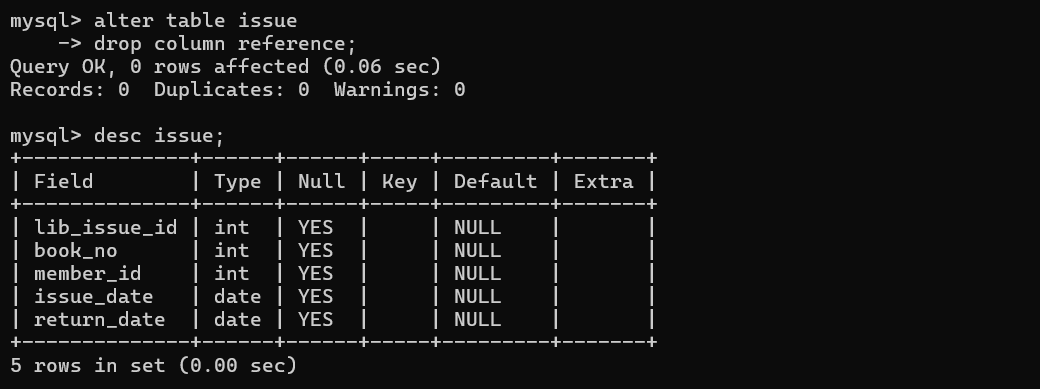
a. Member\_Id – Primary Key

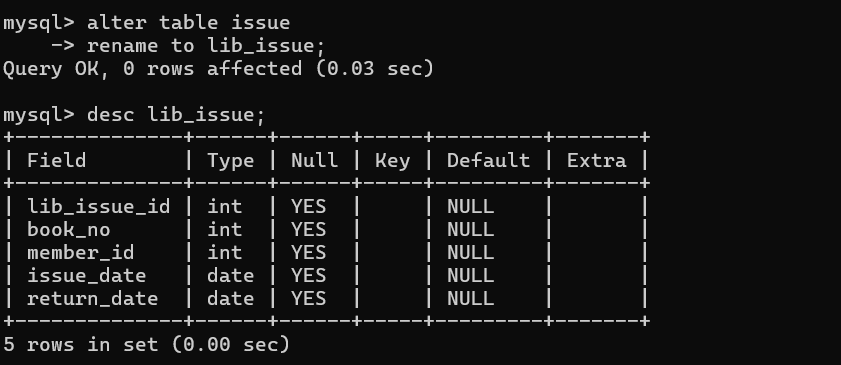
b. Membership\_type - ‘Lifetime’,’ Annual’, ‘Half Yearly’,’ Quarterly’

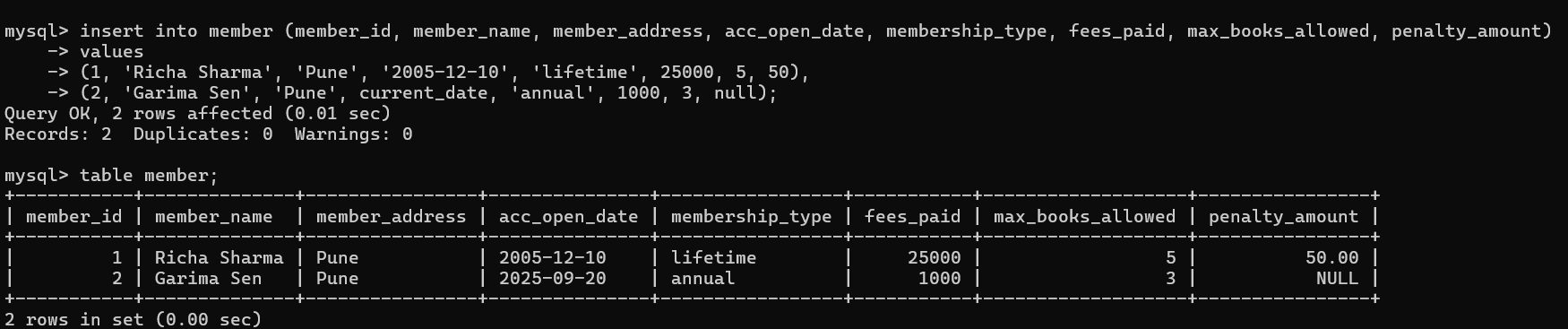
5) Modify the table Member increase the width of the member name to 30 characters.

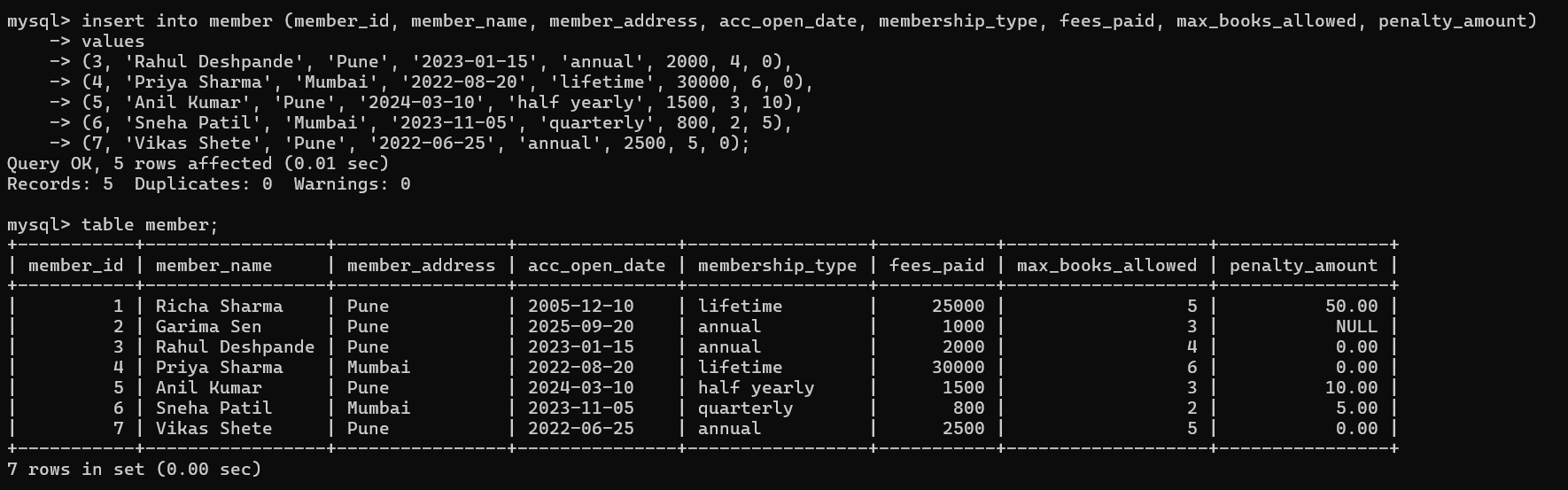


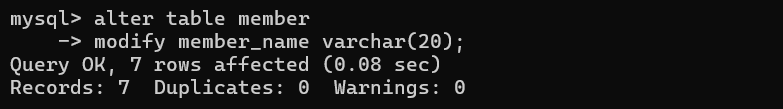
6) Add a column named as Reference of Char(30) to Issue table.

7) Delete/Drop the column Reference from Issue.

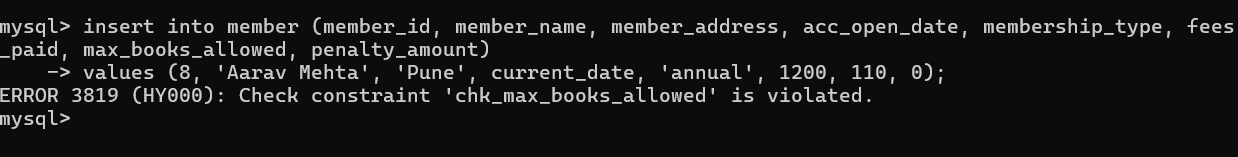
8) Rename the table Issue to Lib\_Issue.

9) Insert following data in table Member

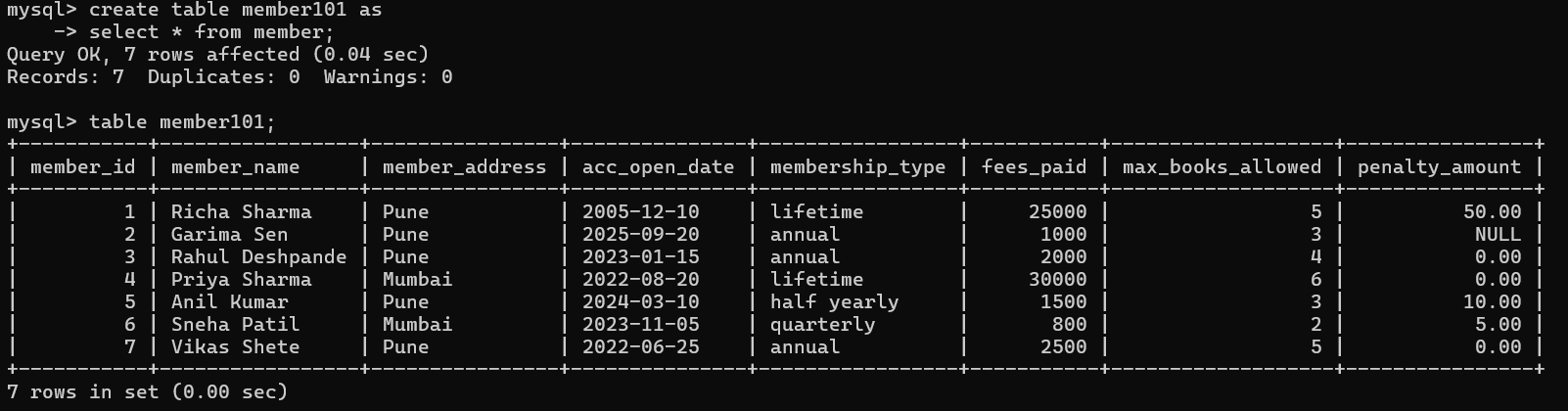
10) Insert at least 5 records with suitable data.

11) Modify the column Member\_name. Decrease the width of the member name to 20 characters. (If it does not allow state the reason for that)

12) Try to insert a record with Max\_Books\_Allowed = 110, Observe the error that comes.



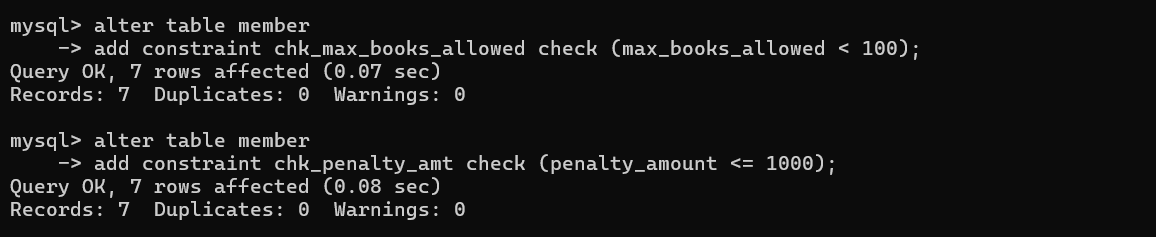
13) Generate another table named Member101 using a Create command

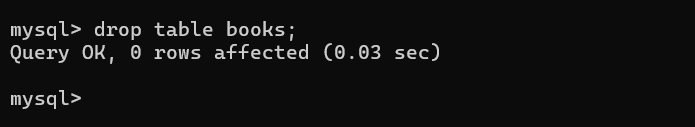
along with a simple SQL query on member table.

14) Add the constraints on columns max\_books\_allowed and penalty\_amt as follows

a. max\_books\_allowed < 100

b. penalty\_amt maximum 1000

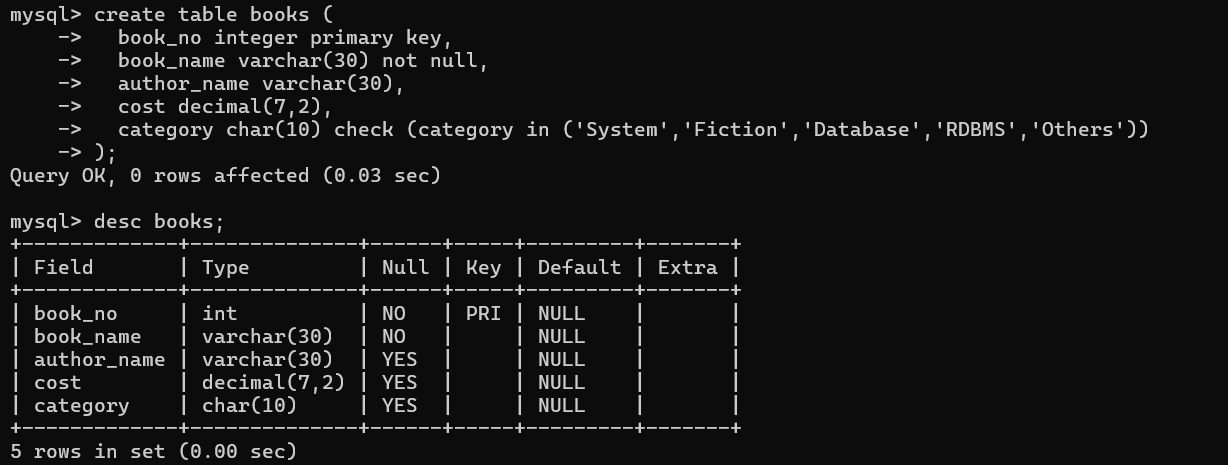
Also give names to the constraints.

15) Drop the table books.

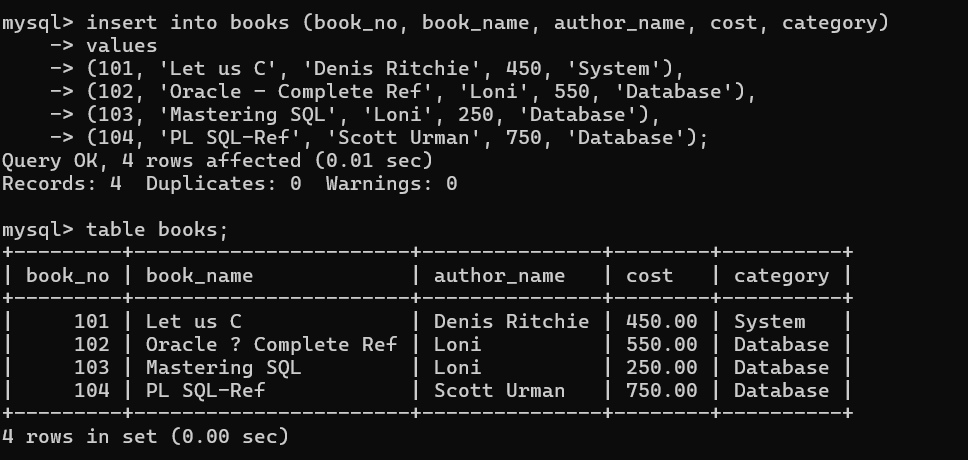
16) Create table Books again as per the schema description with the following constraints.

a. Book\_No – Primary Key

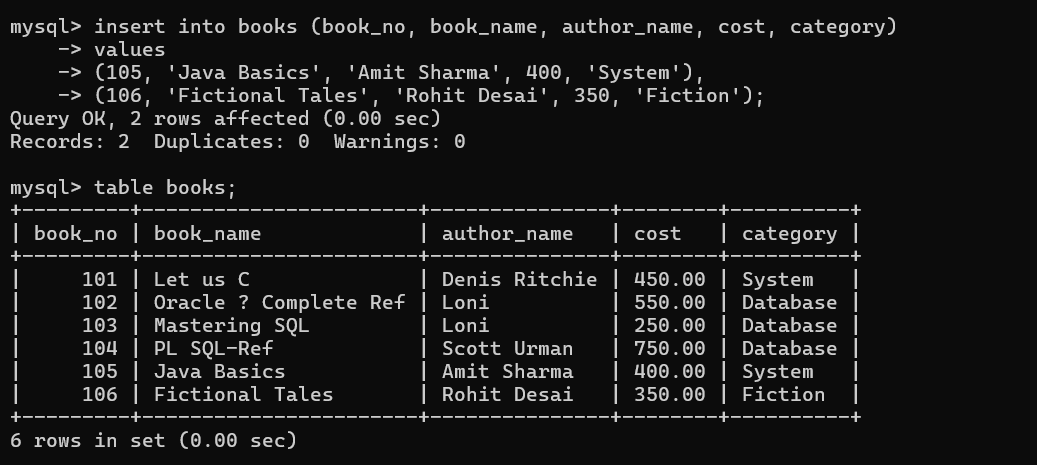
b. Book\_Name – Not Null

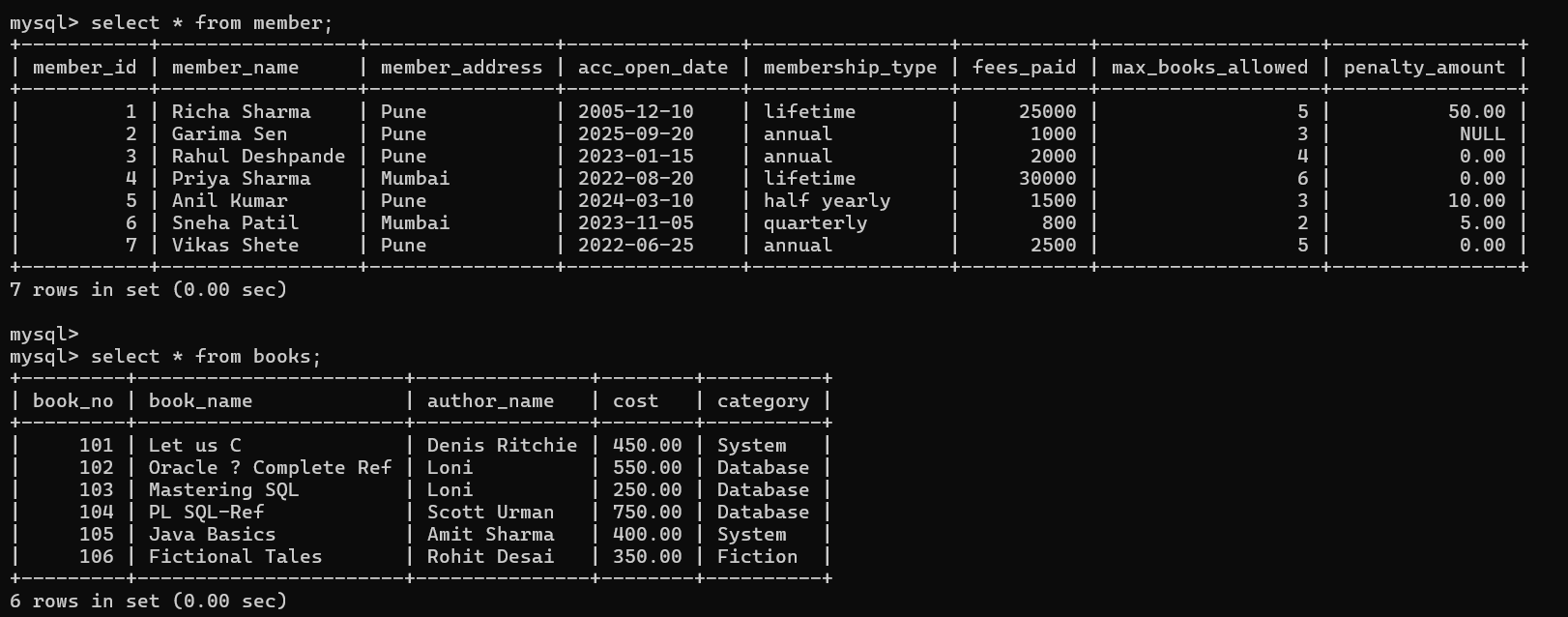
c. Category – System, Fiction, Database, RDBMS, Others.

17) Insert data in Book table as follows:

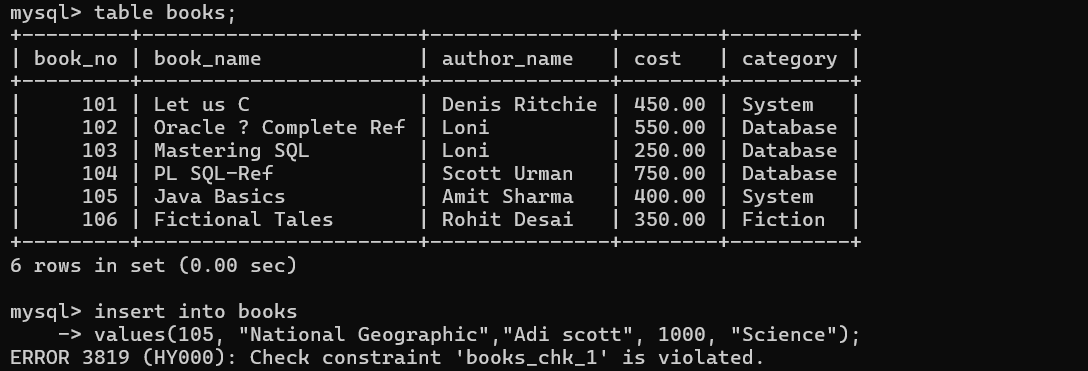


18) Insert more records in Book table.

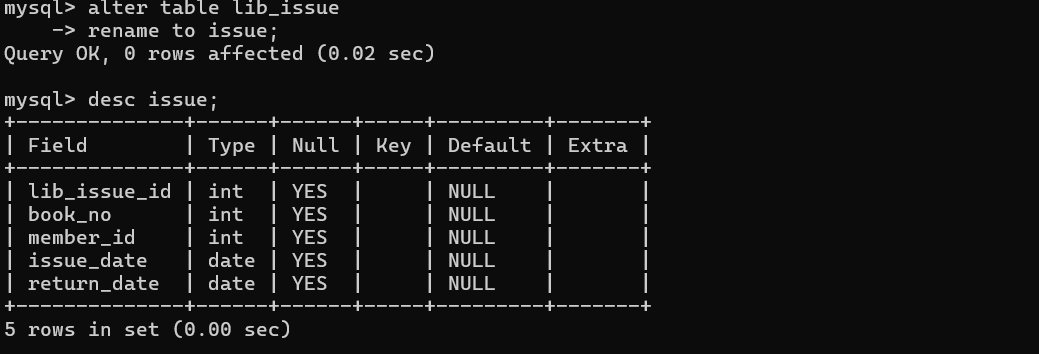


19) View the data in the tables using simple SQL query.

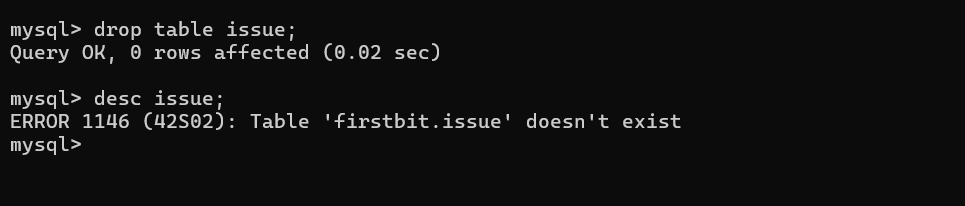
20) Insert into Book following data.

105, National Geographic, Adis Scott, 1000, Science

21) Rename the table Lib\_Issue to Issue.



22) Drop table Issue.



23) As per the given structure Create table Issue again with following

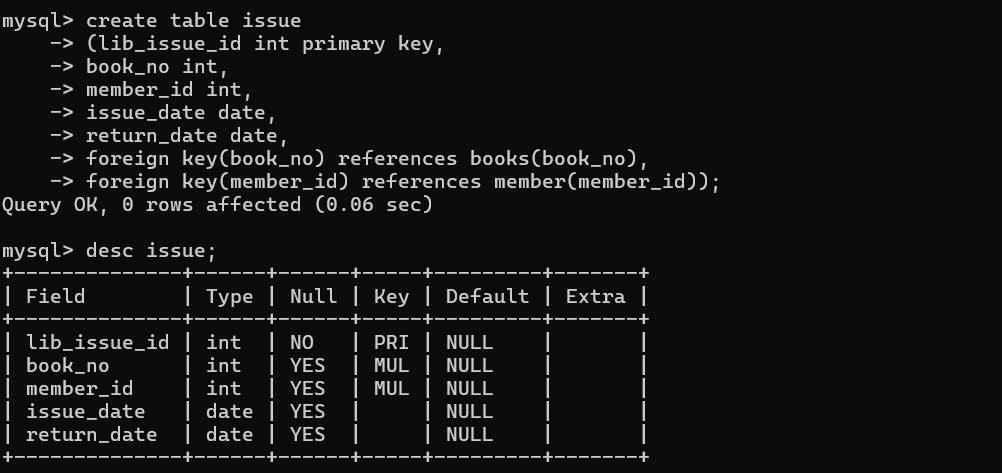
constraints.

Lib\_Issue\_Id-Primary key

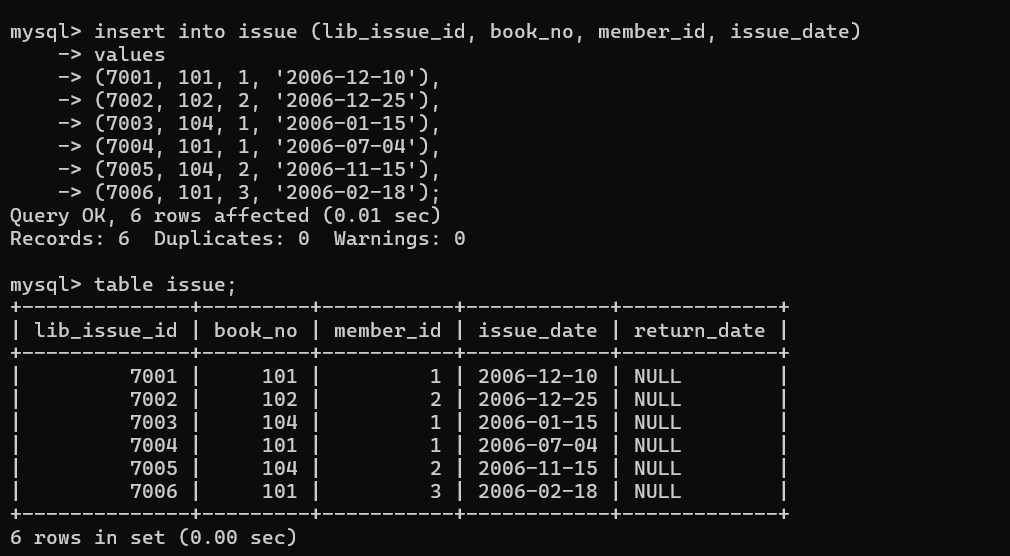
Book\_No- foreign key

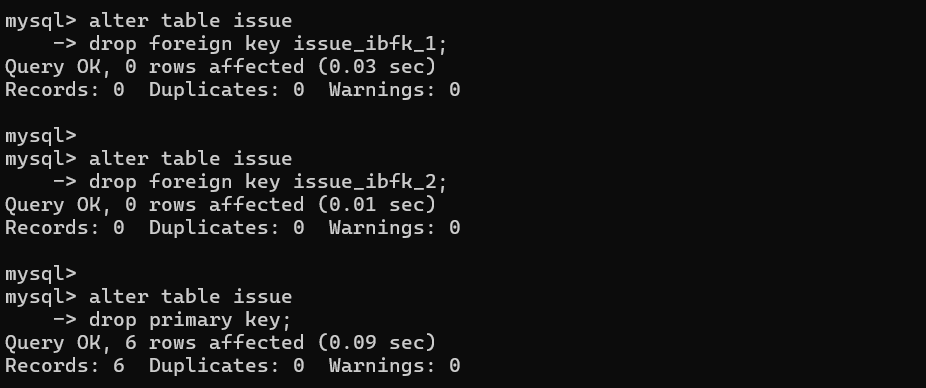
Member\_id - foreign key

Issue\_date

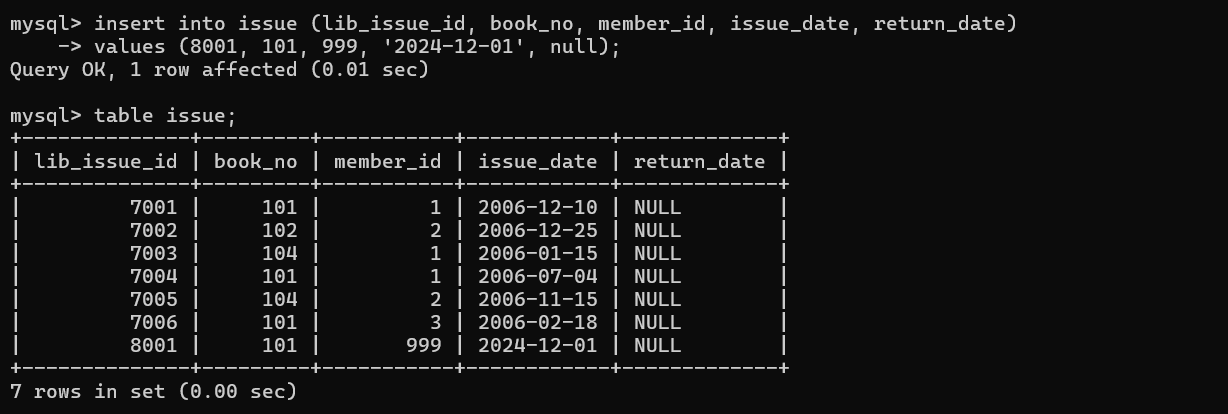
Return\_date

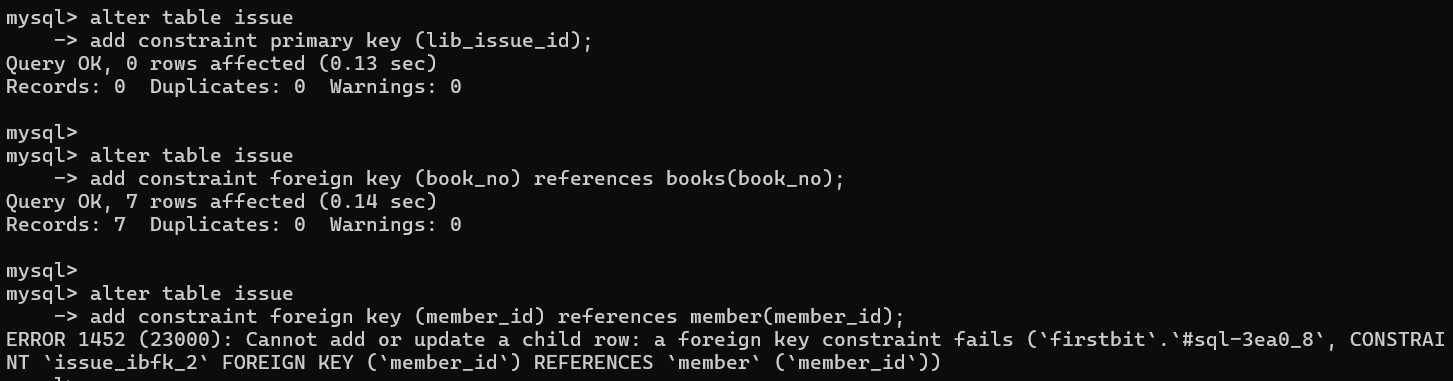
24) Insert following data into Issue table.

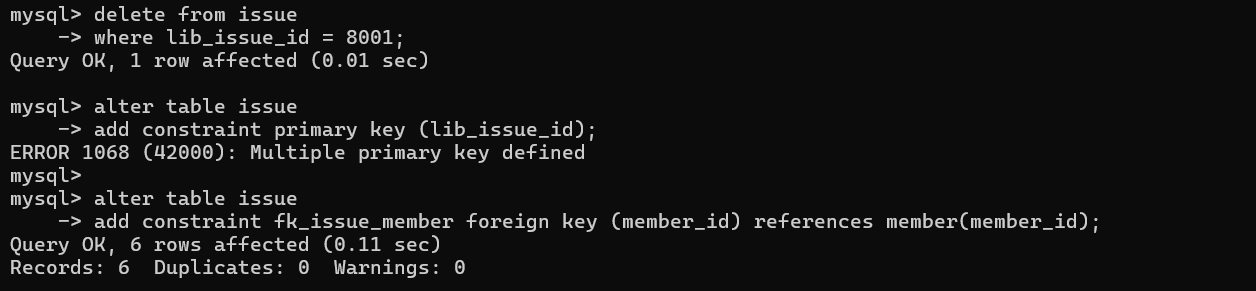


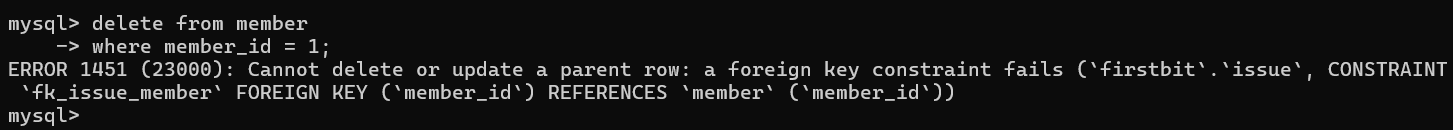
25) Remove the constraints on Issue table

26) Insert a record in Issue table. The member\_id should not exist in member table.

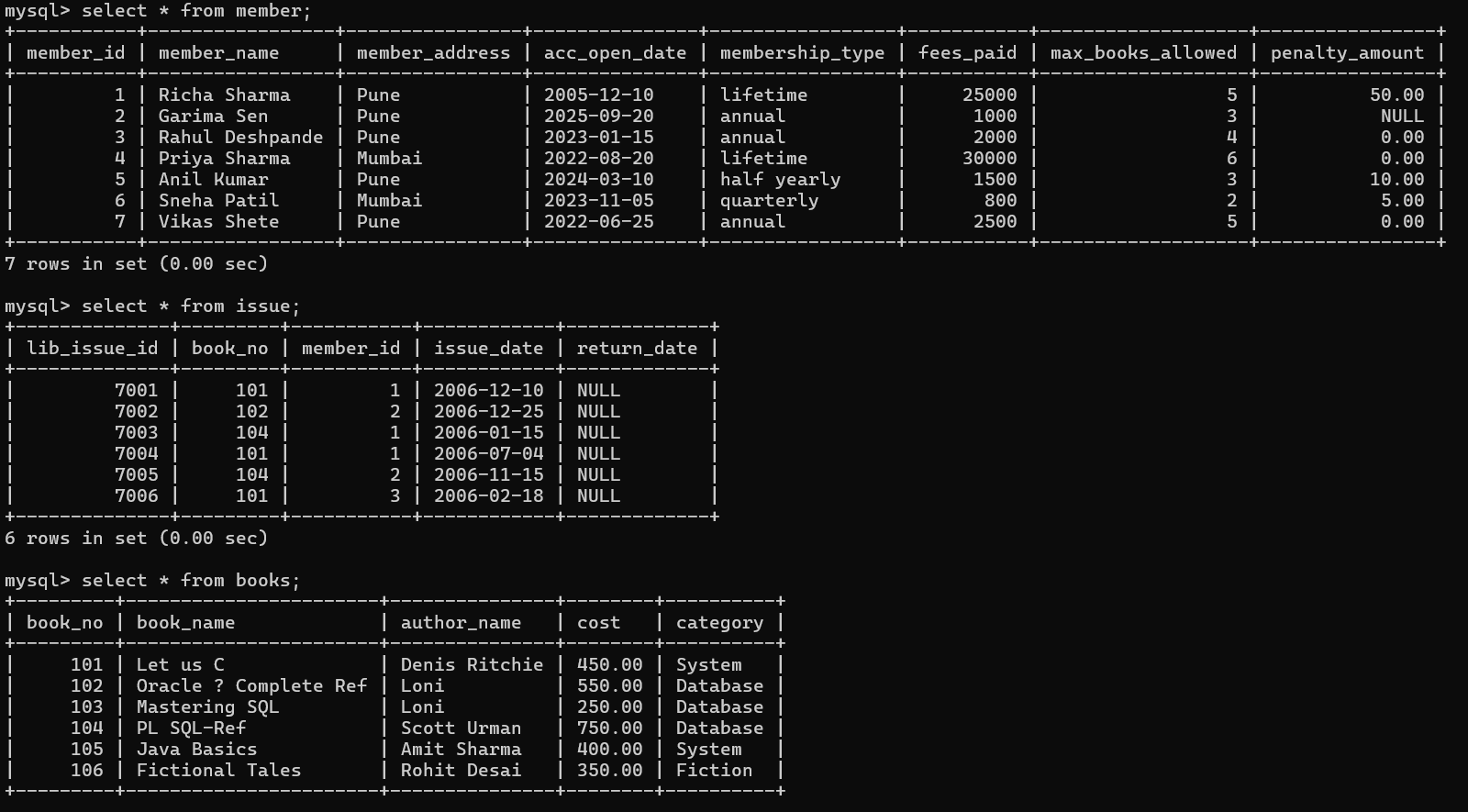


27) Now enable the constraints of Issue table. Observe the error

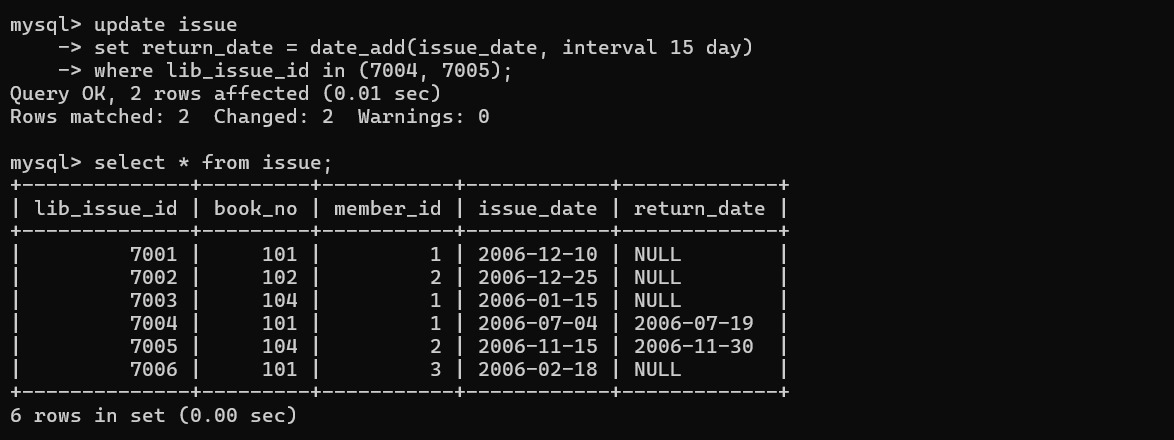
28) Delete the record inserted at Q-27) and enable the constraints.

29) Try to delete the record of member id 1 from member table and observe the error .

30) View the data and structure of all the three tables Member, Issue, Book.



31) Modify the Return\_Date of 7004,7005 to 15 days after the Issue\_date.



32) Remove all the records from Issue table where member\_ID is 1 and Issue date in before 10-Dec-06.

