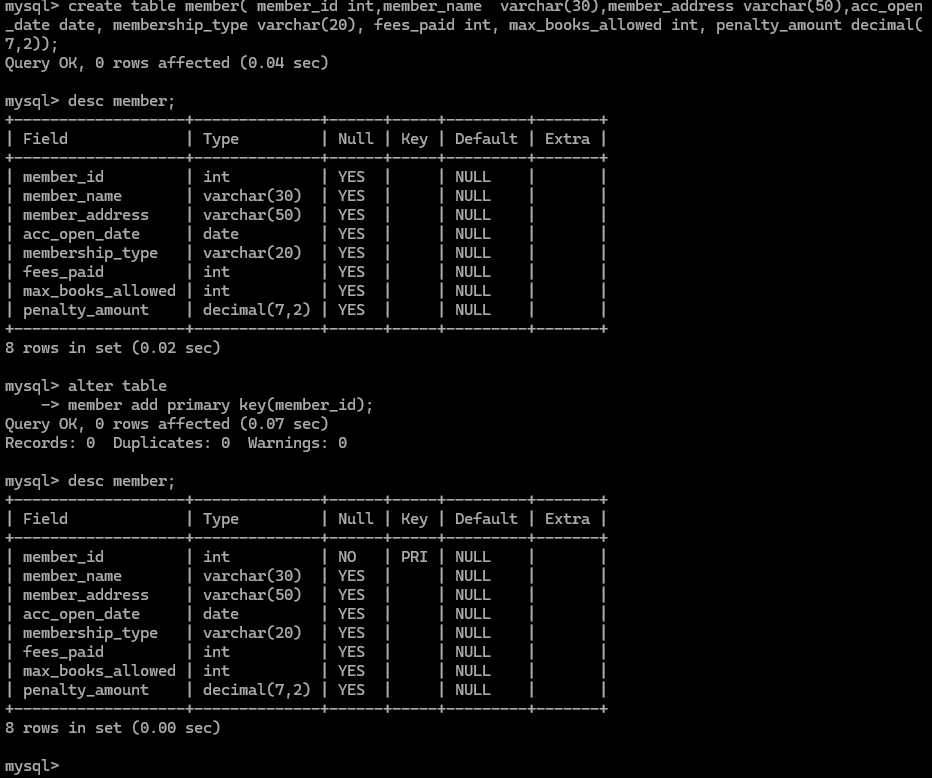
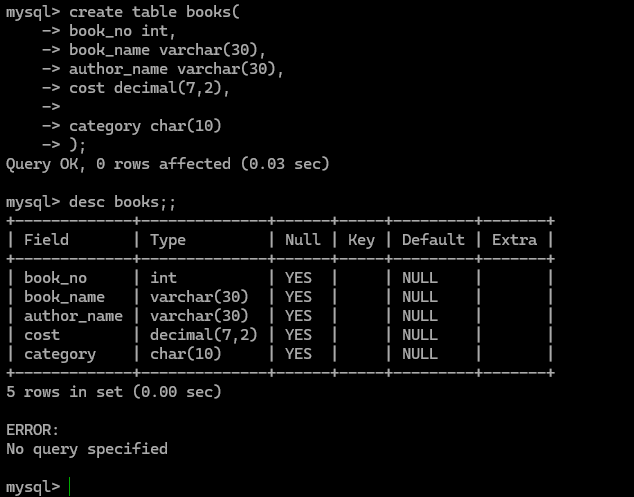
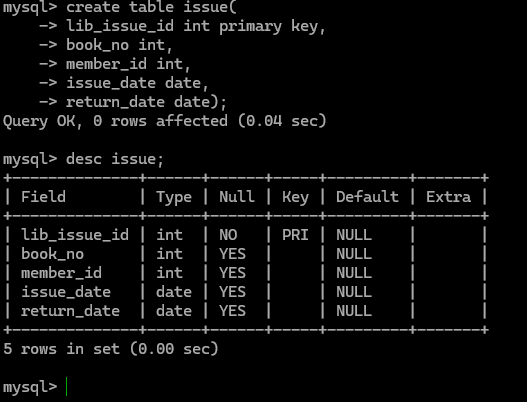
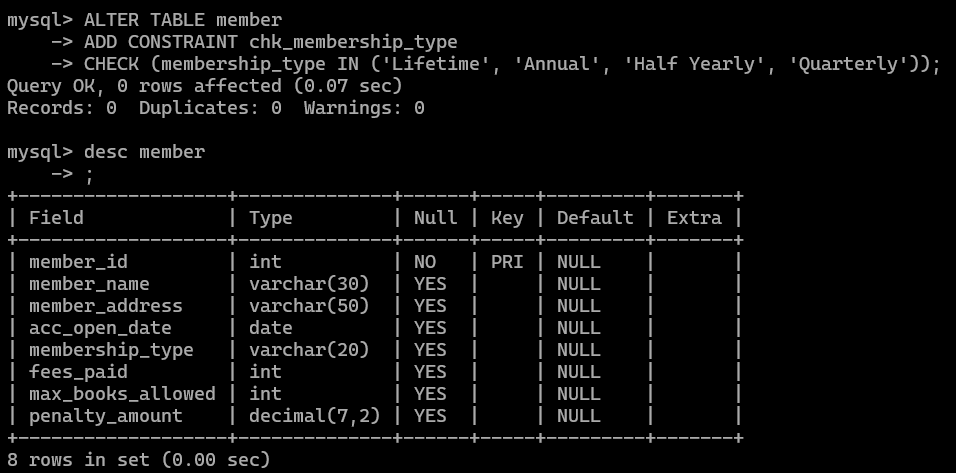
**Assignment 02 DDL**

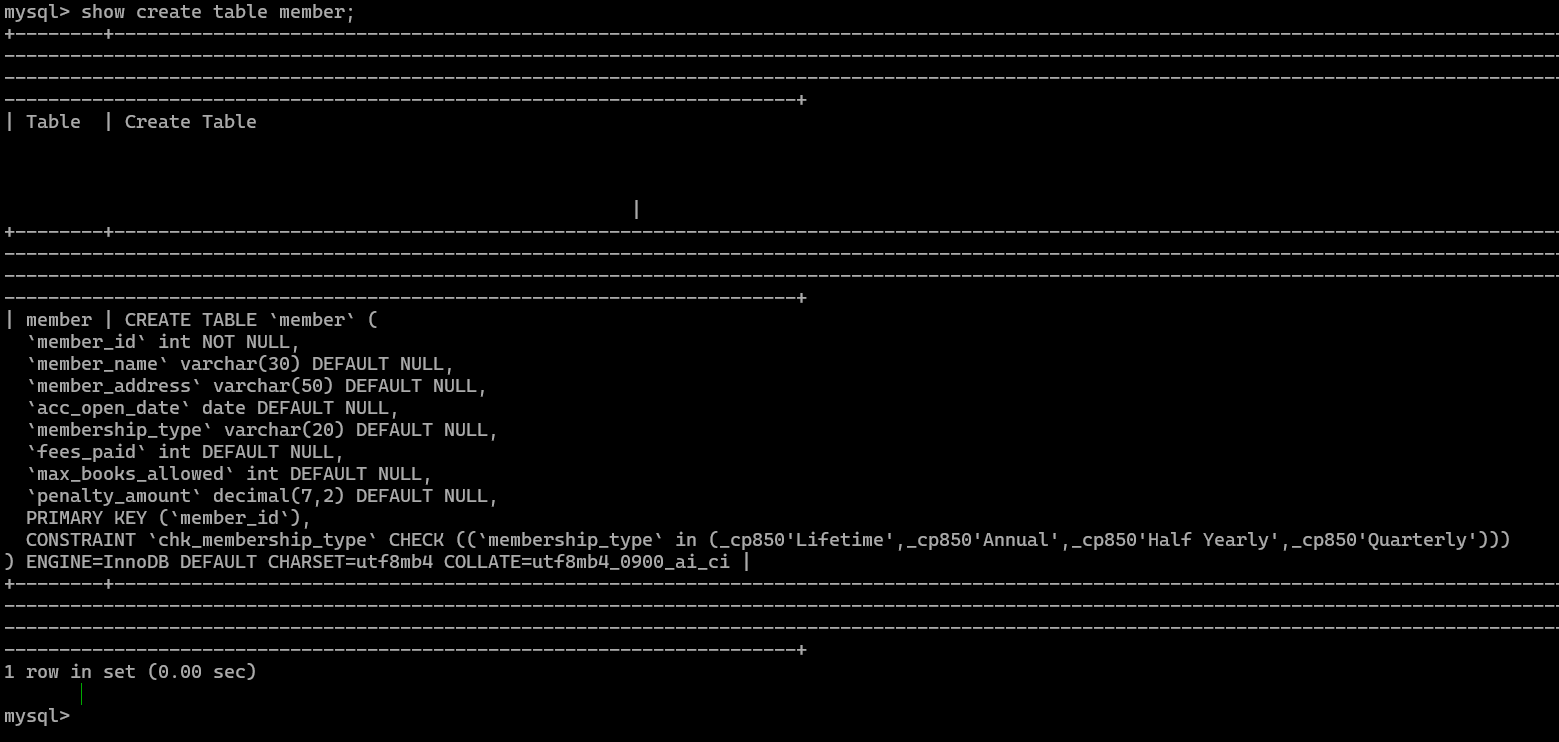




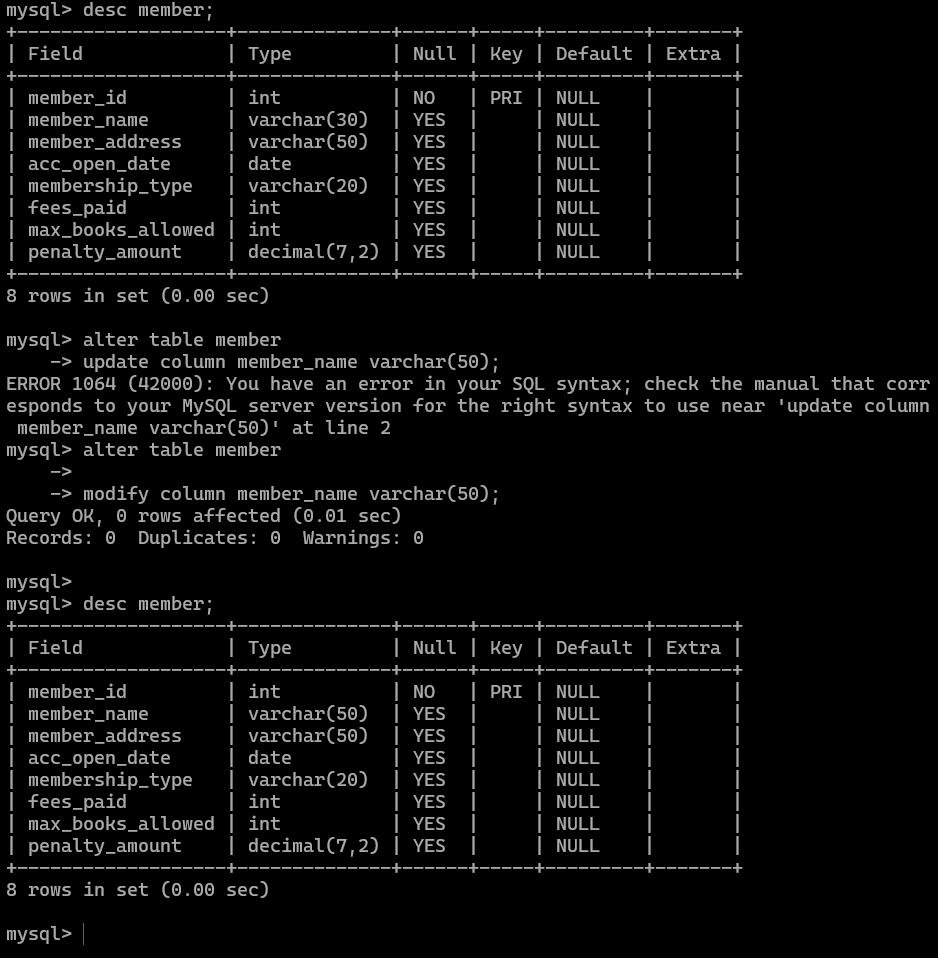


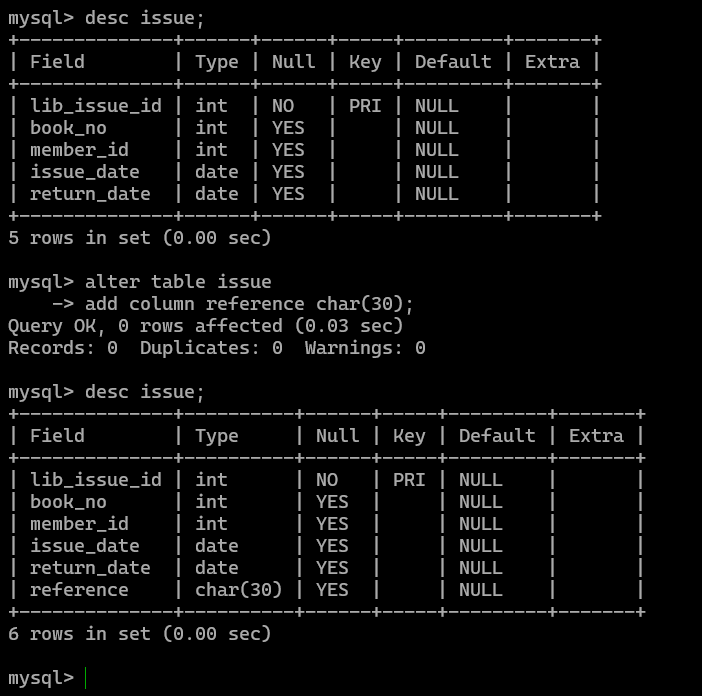
4. b

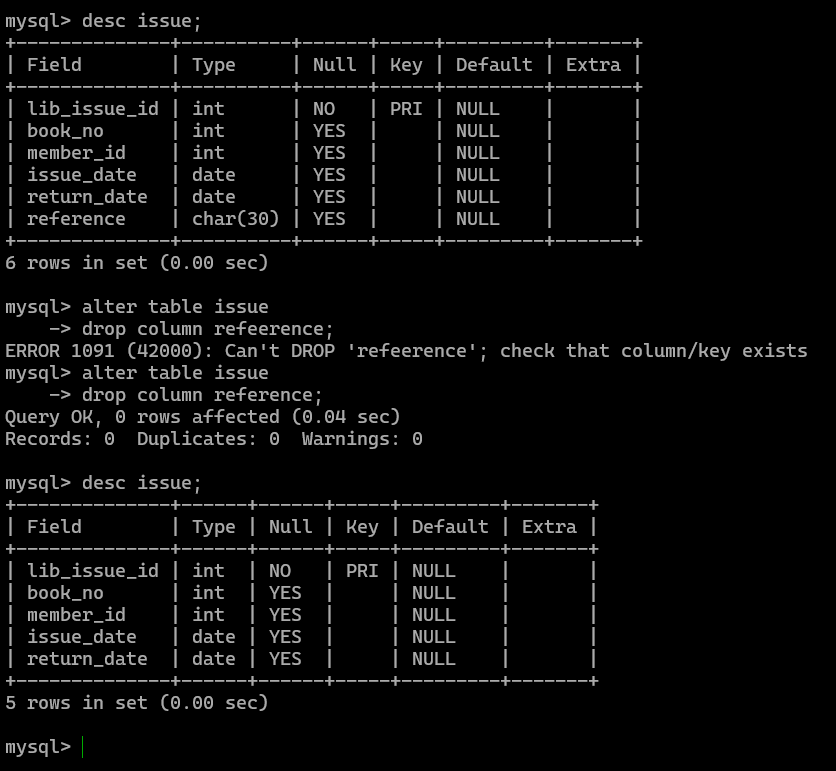




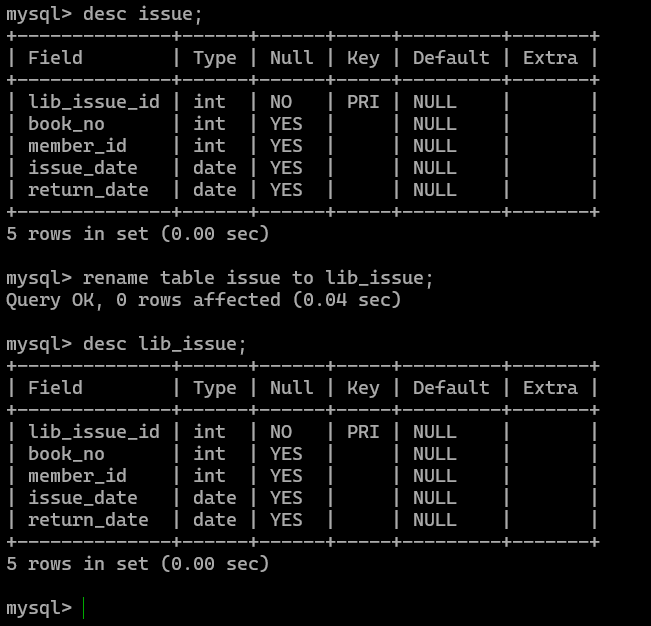
5.



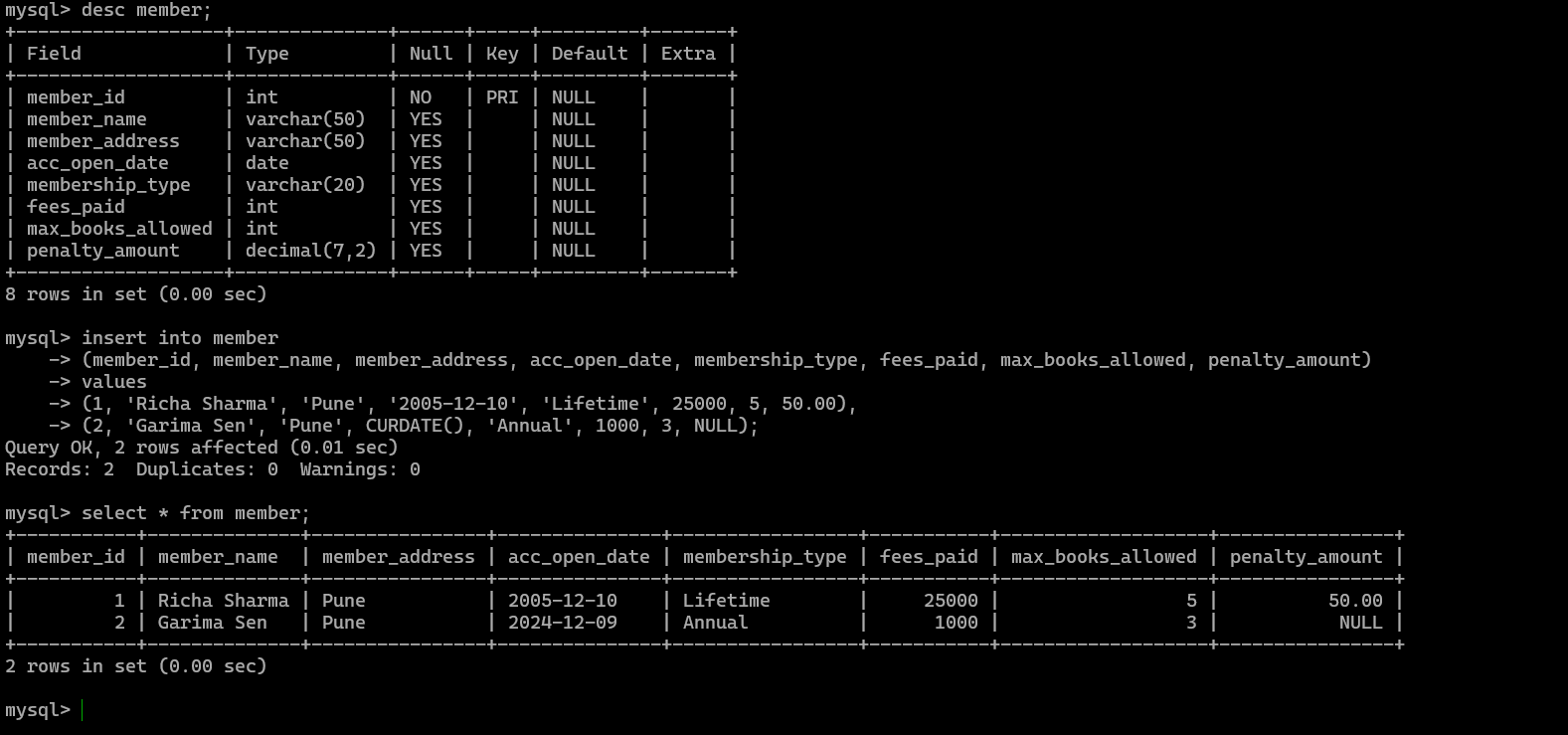
6:

7: 

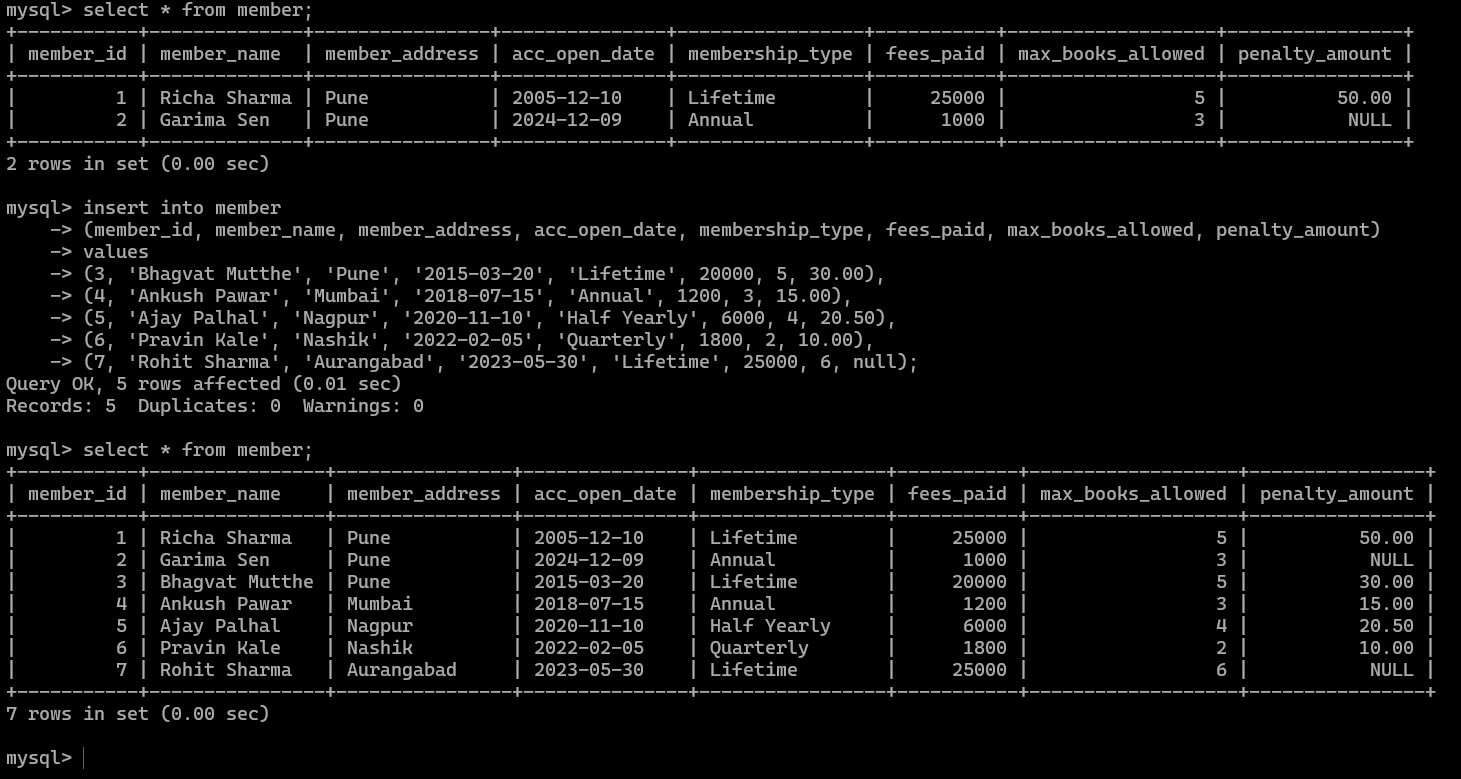
8.



9

****

**10.**

****

**11 >**

**mysql> alter table member**

**-> modify column member\_name varchar(20);**

**Query OK, 7 rows affected (0.16 sec)**

**Records: 7 Duplicates: 0 Warnings: 0**

**mysql> desc member;**

**+-------------------+--------------+------+-----+---------+-------+**

**| Field | Type | Null | Key | Default | Extra |**

**+-------------------+--------------+------+-----+---------+-------+**

**| member\_id | int | NO | PRI | NULL | |**

**| member\_name | varchar(20) | YES | | NULL | |**

**| member\_address | varchar(50) | YES | | NULL | |**

**| acc\_open\_date | date | YES | | NULL | |**

**| membership\_type | varchar(20) | YES | | NULL | |**

**| fees\_paid | int | YES | | NULL | |**

**| max\_books\_allowed | int | YES | | NULL | |**

**| penalty\_amount | decimal(7,2) | YES | | NULL | |**

**+-------------------+--------------+------+-----+---------+-------+**

**8 rows in set (0.03 sec)**

**mysql> alter table member**

**-> modify column member\_name char(20);**

**Query OK, 7 rows affected (0.11 sec)**

**Records: 7 Duplicates: 0 Warnings: 0**

**mysql> desc member;**

**+-------------------+--------------+------+-----+---------+-------+**

**| Field | Type | Null | Key | Default | Extra |**

**+-------------------+--------------+------+-----+---------+-------+**

**| member\_id | int | NO | PRI | NULL | |**

**| member\_name | char(20) | YES | | NULL | |**

**| member\_address | varchar(50) | YES | | NULL | |**

**| acc\_open\_date | date | YES | | NULL | |**

**| membership\_type | varchar(20) | YES | | NULL | |**

**| fees\_paid | int | YES | | NULL | |**

**| max\_books\_allowed | int | YES | | NULL | |**

**| penalty\_amount | decimal(7,2) | YES | | NULL | |**

**+-------------------+--------------+------+-----+---------+-------+**

**8 rows in set (0.00 sec)**

**mysql> select \* from member;**

**+-----------+----------------+----------------+---------------+-----------------+-----------+-------------------+----------------+**

**| member\_id | member\_name | member\_address | acc\_open\_date | membership\_type | fees\_paid | max\_books\_allowed | penalty\_amount |**

**+-----------+----------------+----------------+---------------+-----------------+-----------+-------------------+----------------+**

**| 1 | Richa Sharma | Pune | 2005-12-10 | Lifetime | 25000 | 5 | 50.00 |**

**| 2 | Garima Sen | Pune | 2024-12-09 | Annual | 1000 | 3 | NULL |**

**| 3 | Bhagvat Mutthe | Pune | 2015-03-20 | Lifetime | 20000 | 5 | 30.00 |**

**| 4 | Ankush Pawar | Mumbai | 2018-07-15 | Annual | 1200 | 3 | 15.00 |**

**| 5 | Ajay Palhal | Nagpur | 2020-11-10 | Half Yearly | 6000 | 4 | 20.50 |**

**| 6 | Pravin Kale | Nashik | 2022-02-05 | Quarterly | 1800 | 2 | 10.00 |**

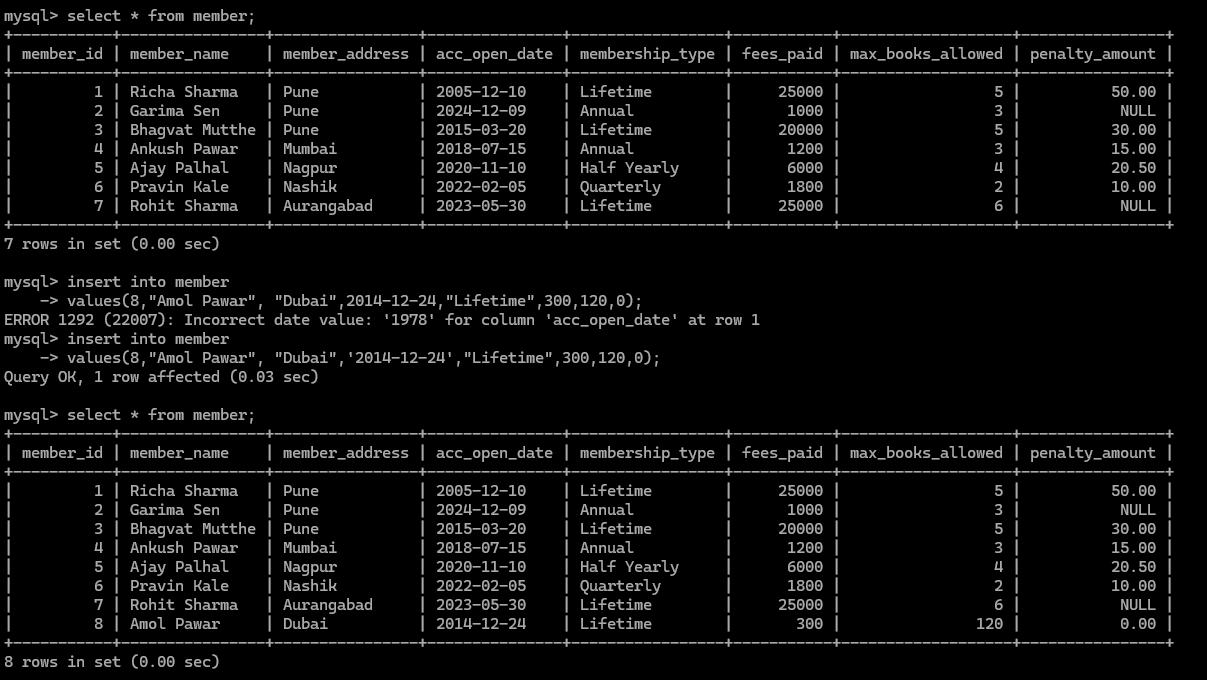
**| 7 | Rohit Sharma | Aurangabad | 2023-05-30 | Lifetime | 25000 | 6 | NULL |**

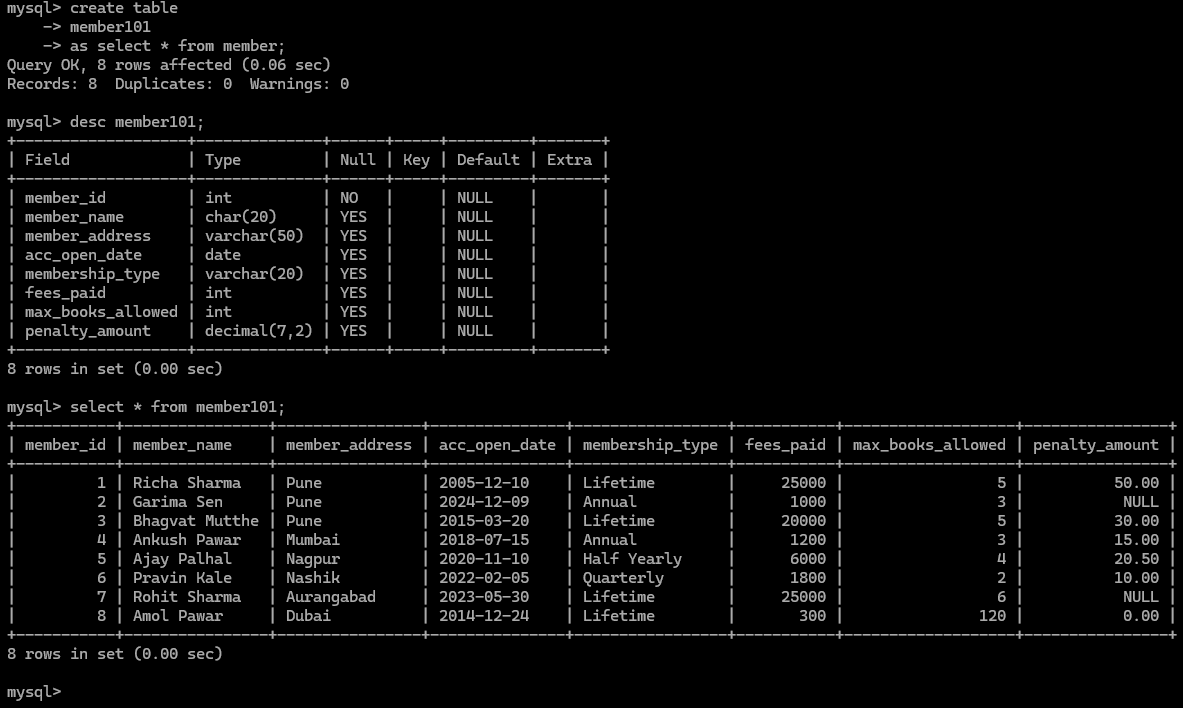
**+-----------+----------------+----------------+---------------+-----------------+-----------+-------------------+----------------+**

**7 rows in set (0.00 sec)**

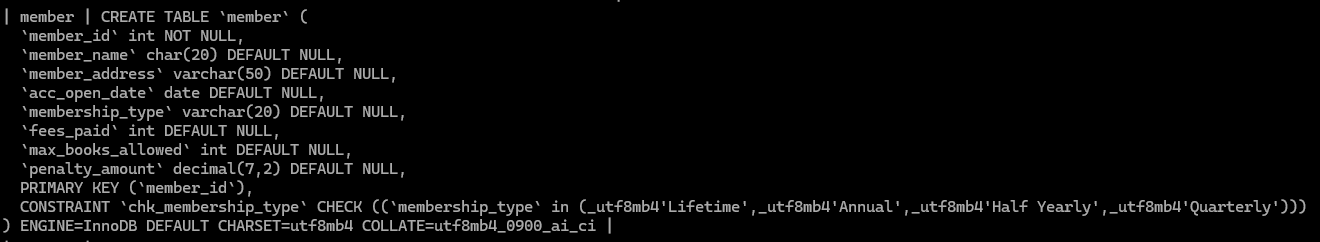
**mysql>**

**12.**

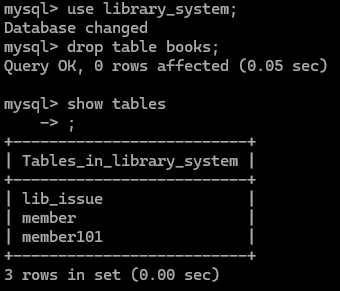
****

**13. **

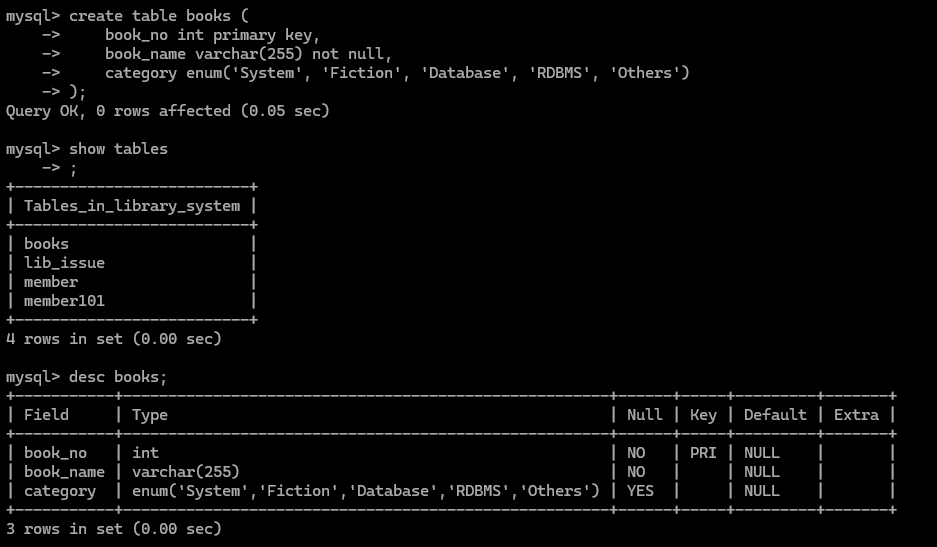
**14.**

****

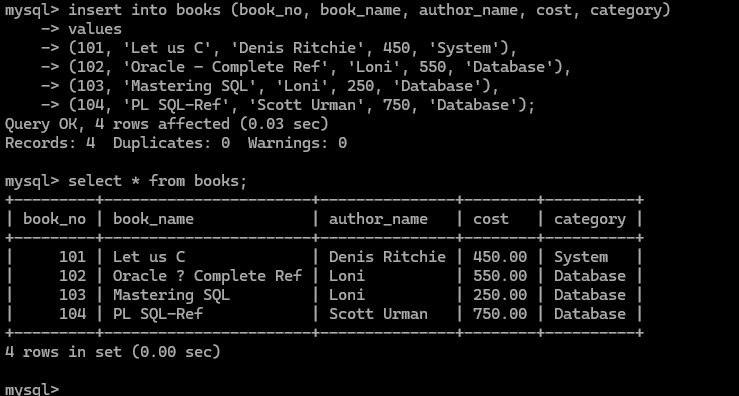
**15.**

****

**16:**

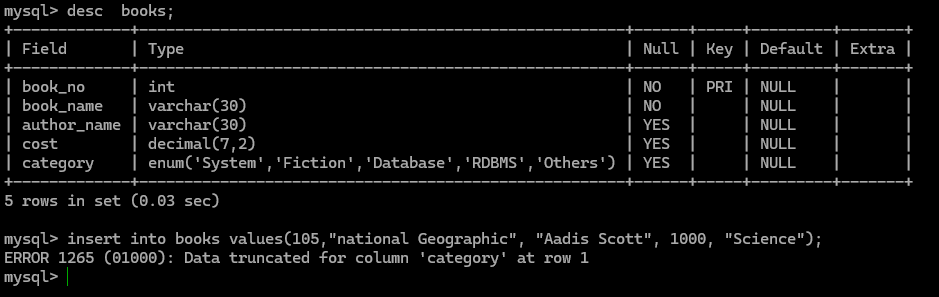
****

**17.**

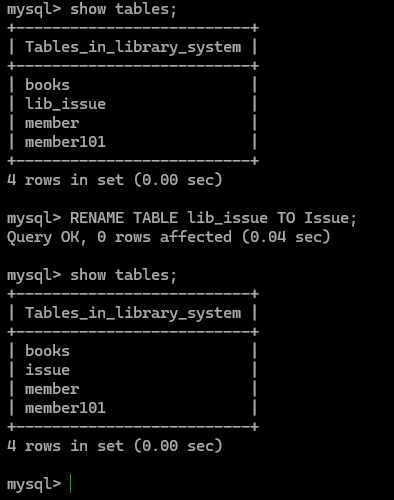
****

**18 19**

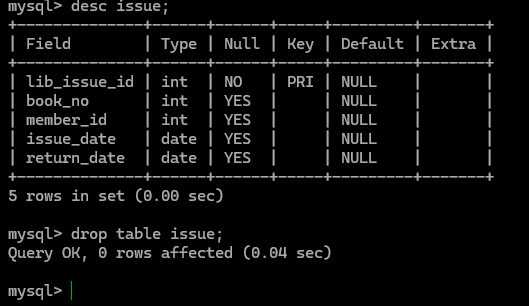
**20**

****

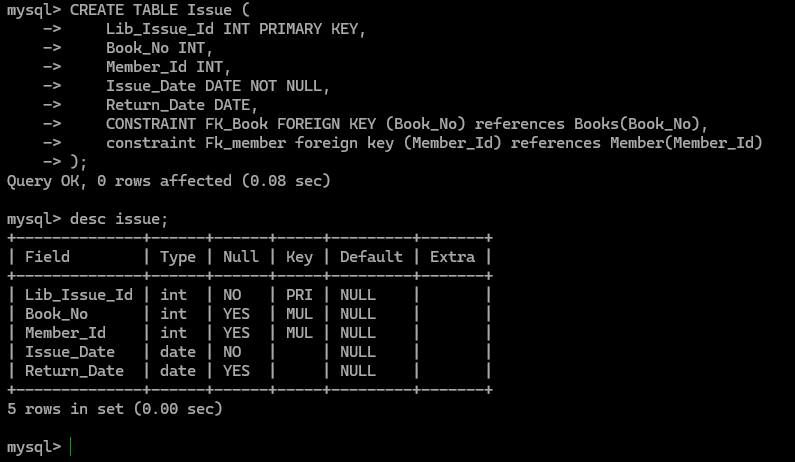
**21.**

****

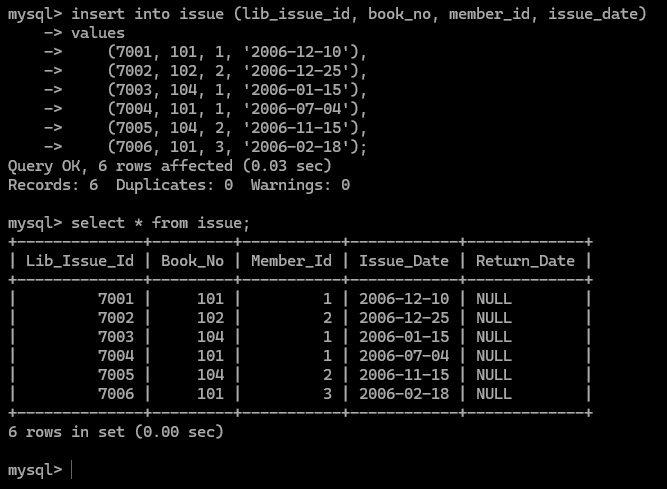
**22**

****

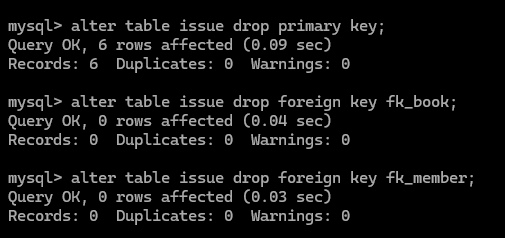
**23**

****

**24**

****

**25**

****

**26**

**mysql> insert into issue (lib\_issue\_id, book\_no, member\_id, issue\_date)**

**-> values (7007, 103, 999, '2006-12-20');**

**Query OK, 1 row affected (0.00 sec)**

**mysql> select \* from issue;**

**+--------------+---------+-----------+------------+-------------+**

**| Lib\_Issue\_Id | Book\_No | Member\_Id | Issue\_Date | Return\_Date |**

**+--------------+---------+-----------+------------+-------------+**

**| 7001 | 101 | 1 | 2006-12-10 | NULL |**

**| 7002 | 102 | 2 | 2006-12-25 | NULL |**

**| 7003 | 104 | 1 | 2006-01-15 | NULL |**

**| 7004 | 101 | 1 | 2006-07-04 | NULL |**

**| 7005 | 104 | 2 | 2006-11-15 | NULL |**

**| 7006 | 101 | 3 | 2006-02-18 | NULL |**

**| 7007 | 103 | 999 | 2006-12-20 | NULL |**

**+--------------+---------+-----------+------------+-------------+**

**7 rows in set (0.00 sec)**

**27**

**mysql> alter table issue**

**-> add constraint pk\_lib\_issue primary key (lib\_issue\_id);**

**Query OK, 0 rows affected (0.10 sec)**

**Records: 0 Duplicates: 0 Warnings: 0**

**mysql> alter table issue**

**-> add constraint fk\_book foreign key (book\_no) references books(book\_no);**

**Query OK, 7 rows affected (0.11 sec)**

**Records: 7 Duplicates: 0 Warnings: 0**

**mysql> alter table issue**

**-> add constraint fk\_member foreign key (member\_id) references member(member\_id);**

**ERROR 1452 (23000): Cannot add or update a child row: a foreign key constraint fails (`library\_system`.`#sql-18a0\_8`, CONSTRAINT `fk\_member` FOREIGN KEY (`Member\_Id`) REFERENCES `member` (`member\_id`))**

**mysql>**

**28:**