Create a database called **Library** and in that database, add a table called **users**. The users table will take the following four fields.

- id
- username - varchar(100)
- email - varchar(100)
- password - varchar(100)

You can create this on the MySQL prompt as follow

/*Creating database */

CREATE DATABASE Library

/* CREATING TABLE USER */

CREATE TABLE

USER (

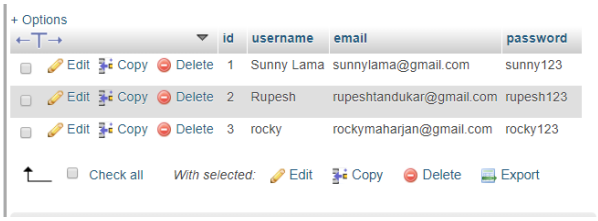
Id int PRIMERY KEY,

Username varchar(50),

Email varchar(50),

Password varchar(50)

)

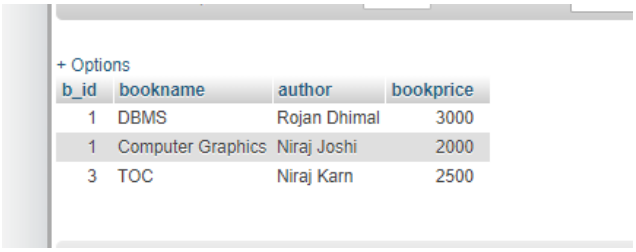


Add a table called **Book**. The Book table will take the following four fields. The users table will take the following four fields.

- B_id primary key
- bookname - varchar(100)
- author - varchar(100)
- book_price - int
-

/* Creating table to store book record */

```
CREATE TABLE Book (
        B_Id int  PRIMERY KEY,
        bookname varchar(50),
        author varchar(50),
        book_price int
        )
```



+ Options

b_id	bookname	author	bookprice
1	DBMS	Rojan Dhimal	3000
1	Computer Graphics	Niraj Joshi	2000
3	TOC	Niraj Karn	2500

Add table called **Book_issue**. The Book_issue table will take the following fields to store book issue information.

```
/* Creating Record to store book  issue record */
CREATE TABLE Book_issue (
        B_id  int FOREGIN KEY  REFERENCE Book(b_id) ,
        Id int FOREGIN KEY REFERENCE User(id),
        Issue_count int              /to store number of book issue record
        )
```

Add table called **Book_returned**. The Book_returned table will take the following fields to store book issue information.

```
/* Creating Record to store book  returned record */
CREATE TABLE Book_issue (
        B_id  int FOREGIN KEY  REFERENCE Book(b_id) ,
        Id int FOREGIN KEY REFERENCE User(id),
        returned_count int                /to store number of book returned record
        )
```

To register in database

```
INSERT INTO user (username,email,password)
VALUES (“username”,”email”,”password”)
```

To add book

INSERT INTO Book (Bookname,author,book_price)

VALUES (“Bookname”,”author”,”book_price”)

To search book

SELECT bookname

FROM Book

Where bookname LIKE “%”

To add book issue information

INSERT INTO user (B-id,u_id,issue_count)

VALUES (“Book id”,”User id”,”Number of book issued”)

To add book returned information

INSERT INTO user (B-id,u_id,returned_count)

VALUES (“Book id”,”User id”,”Number of book returned”)

To monitor total book issued and returned information by user

CREATE VIEW REPORT

SELECT username, Bookname, book_price, issue_count,returned_count

FROM User,Book,Book_Issue,Book_returned