SUBMISSION FOR SQL TASK 3

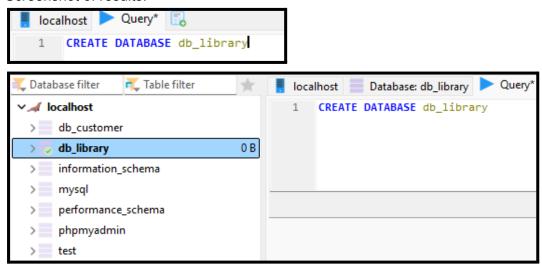
Name: Eng Zhi Cheng

Class: 1K4

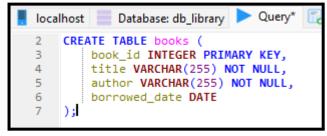
Topic: SQL TASK 3 (10% CARRYMARK)

Date: 16 December 2024

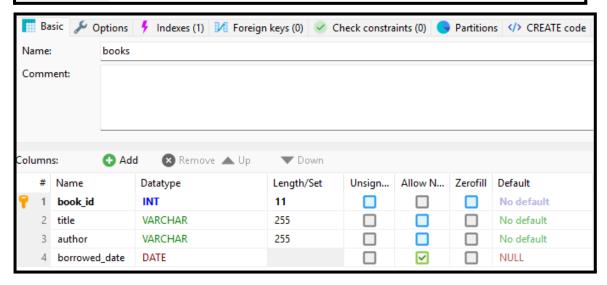
SQL Command for making database: CREATE DATABASE db_library



```
SQL Command for making table:
CREATE TABLE books (
book_id INTEGER PRIMARY KEY,
title VARCHAR(255) NOT NULL,
author VARCHAR(255) NOT NULL,
borrowed_date DATE
);
```







SQL Command for inserting books (I redid the commands because it kept saying error): USE db_library;

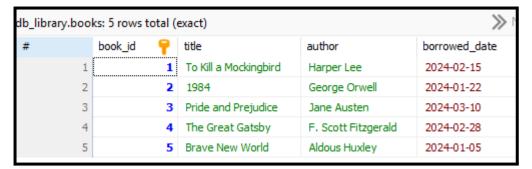
```
DROP TABLE IF EXISTS books;
```

```
CREATE TABLE books (
book_id INTEGER PRIMARY KEY AUTO_INCREMENT,
title VARCHAR(255) NOT NULL,
author VARCHAR(255) NOT NULL,
borrowed_date DATE
);

INSERT INTO books (title, author, borrowed_date) VALUES
('To Kill a Mockingbird', 'Harper Lee', '2024-02-15'),
('1984', 'George Orwell', '2024-01-22'),
('Pride and Prejudice', 'Jane Austen', '2024-03-10'),
('The Great Gatsby', 'F. Scott Fitzgerald', '2024-02-28'),
('Brave New World', 'Aldous Huxley', '2024-01-05');
```

```
| localhost | Database: db_library | Table: books | Data | Query* | Query*
```

```
('1984', 'George Orwell', '2024-01-22'),
('Pride and Prejudice', 'Jane Austen', '2024-03-10'),
('The Great Gatsby', 'F. Scott Fitzgerald', '2024-02-28'),
('Brave New World', 'Aldous Huxley', '2024-01-05');
```

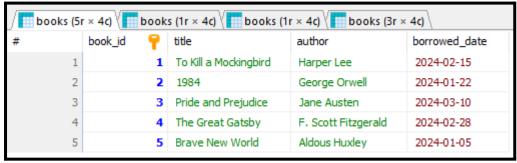


SQL Command for Basic Queries (selecting books): SELECT * FROM books;

SELECT * FROM books WHERE author = 'George Orwell';

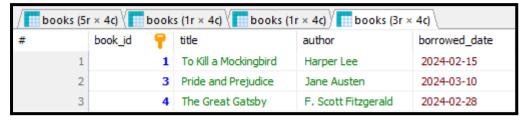
SELECT * FROM books WHERE borrowed_date = '2024-02-15';

SELECT * FROM books WHERE borrowed_date > '2024-02-01';









```
SQL Command for Data Manipulation:
UPDATE books
SET borrowed_date = '2024-04-01'
WHERE book_id = 1;

DELETE FROM books
WHERE book_id = 2;
```

INSERT INTO books (title, author, borrowed_date) VALUES ('1984', 'George Orwell', '2024-04-15');

```
1  UPDATE books
2  SET borrowed_date = '2024-04-01'
3  WHERE book_id = 1;
4  
5  DELETE FROM books
6  WHERE book_id = 2;
7
```

```
DELETE FROM books

WHERE book_id = 2;

INSERT INTO books (title, author, borrowed_date)

VALUES ('1984', 'George Orwell', '2024-04-15');
```

