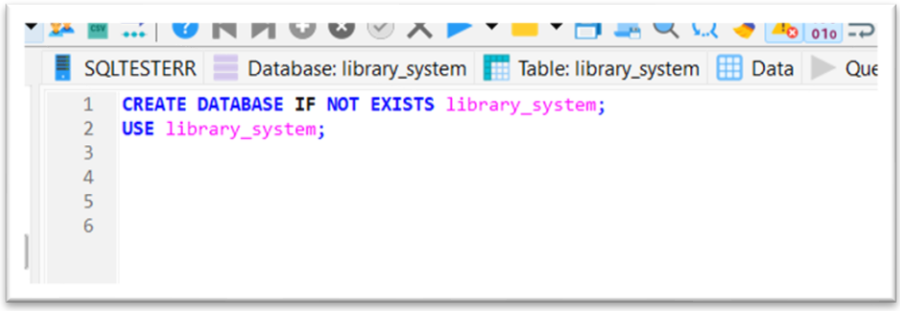
SQL-TASK

Name: Aleesha Farhana 1k5

1.

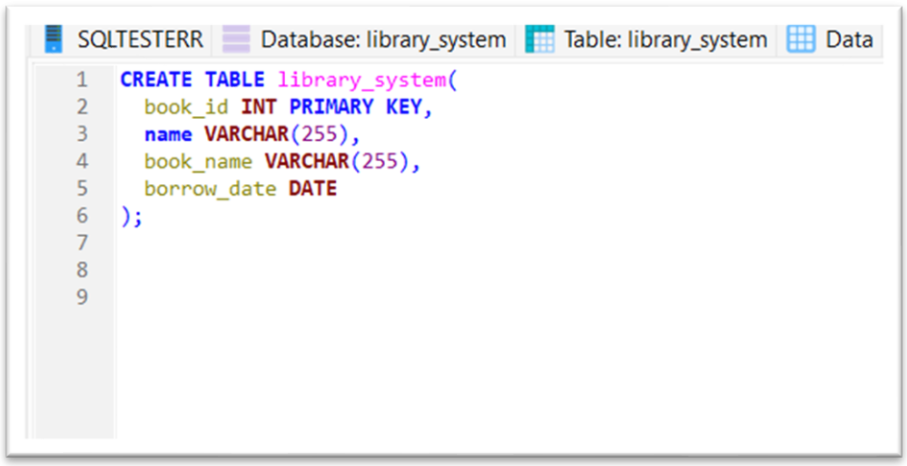


Code:

CREATE DATABASE IF NOT EXISTS library_system;

USE library_system;

2.



Code:

CREATE TABLE library_system(

book_id INT PRIMARY KEY,

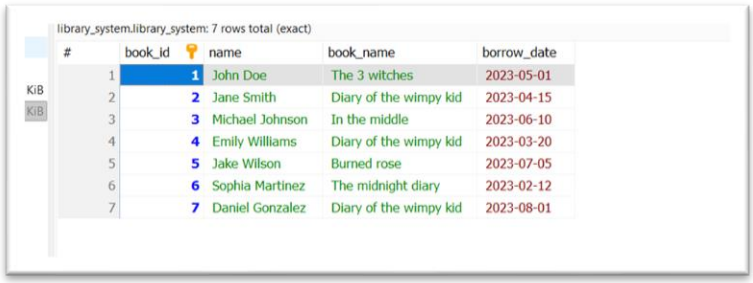
name VARCHAR(255),

book_name VARCHAR(255),

borrow_date DATE

);

3.



library_system.library_system: 7 rows total (exact)

#	book_id	name	book_name	borrow_date
1	1	John Doe	The 3 witches	2023-05-01
2	2	Jane Smith	Diary of the wimpy kid	2023-04-15
3	3	Michael Johnson	In the middle	2023-06-10
4	4	Emily Williams	Diary of the wimpy kid	2023-03-20
5	5	Jake Wilson	Burned rose	2023-07-05
6	6	Sophia Martinez	The midnight diary	2023-02-12
7	7	Daniel Gonzalez	Diary of the wimpy kid	2023-08-01

Code:

INSERT INTO library_system (book_id, **name**, book_name, borrow_date)

VALUES

(1, 'John Doe', 'The 3 witches', '2023-05-01'),

(2, 'Jane Smith', 'Diary of the wimpy kid', '2023-04-15'),

(3, 'Michael Johnson', 'In the middle', '2023-06-10'),

(4, 'Emily Williams', 'Diary of the wimpy kid', '2023-03-20'),

(5, 'Jake Wilson', 'Burned rose', '2023-07-05'),

(6, 'Sophia Martinez', 'The midnight diary', '2023-02-12'),

(7, 'Daniel Gonzalez', 'Diary of the wimpy kid', '2023-08-01');

4.

library_system.library_system: 7 rows total (exact)

#	book_id	name	book_name	borrow_date
1	1	John Doe	The 3 witches	2023-05-01
2	2	Jane Smith	Diary of the wimpy kid	2023-04-15
3	3	Michael Johnson	In the middle	2023-08-01
4	4	Emily Williams	Diary of the wimpy kid	2023-03-20
5	5	Jake Wilson	Burned rose	2023-07-05
6	6	Sophia Martinez	The midnight diary	2023-02-12
7	7	Daniel Gonzalez	Diary of the wimpy kid	2023-08-01

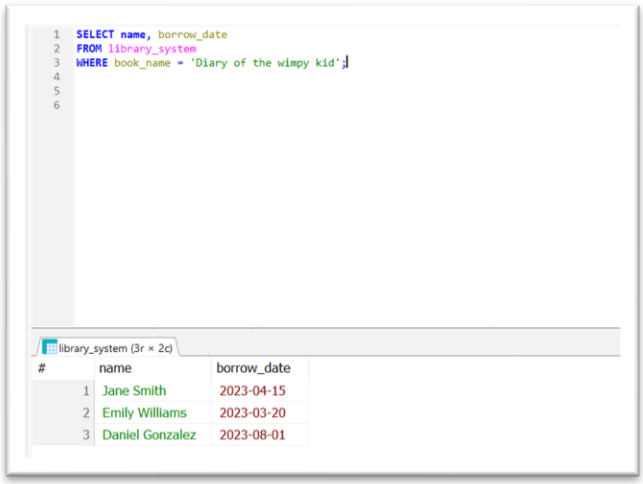
Code:

UPDATE students

SET borrow_date = ‘2023-08-01’

WHERE book_id = 2;

5.

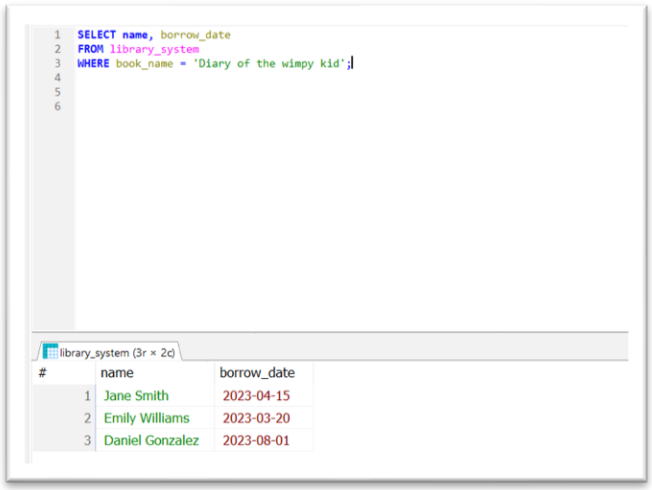


Code:

SELECT * FROM library_system

WHERE borrow_date > ‘2023-03-20’;

6.



Code:

SELECT name, borrow_date

FROM library_system

WHERE book_name = ‘Diary of the wimpy kid’;