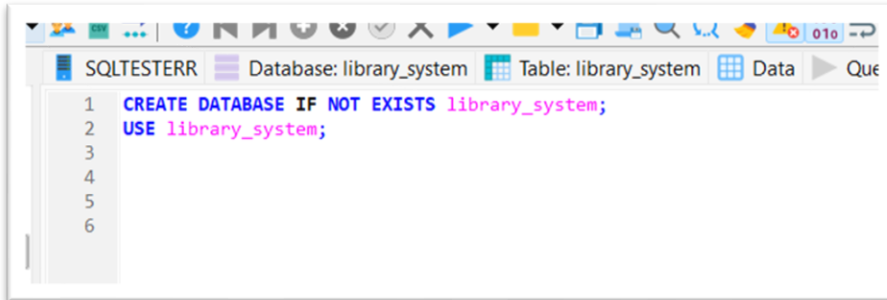


SQL-TASK

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1.

A screenshot of the SQLTESTERR application window. The window has a title bar with standard OS icons. Below the title bar, there are tabs for 'Database: library_system', 'Table: library_system', 'Data', and 'Que'. The 'Database' tab is active, showing a text editor with the following SQL code:

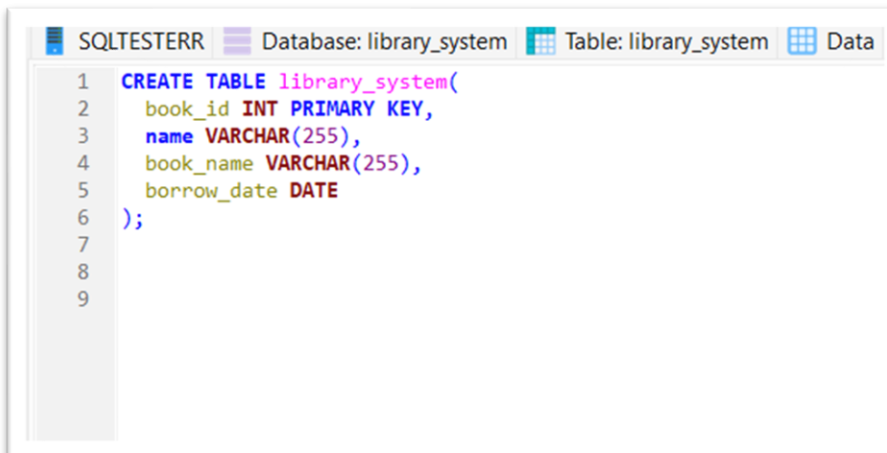
```
1 CREATE DATABASE IF NOT EXISTS library_system;  
2 USE library_system;  
3  
4  
5  
6
```

Code:

```
CREATE DATABASE IF NOT EXISTS library_system;
```

```
USE library_system;
```

2.

A screenshot of the SQLTESTERR application window, similar to the first one. The 'Database' tab is active, showing a text editor with the following SQL code:

```
1 CREATE TABLE library_system(  
2     book_id INT PRIMARY KEY,  
3     name VARCHAR(255),  
4     book_name VARCHAR(255),  
5     borrow_date DATE  
6 );  
7  
8  
9
```

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.



The screenshot shows a SQL query editor with the following code:

```
1 SELECT name, borrow_date
2 FROM library_system
3 WHERE book_name = 'Diary of the wimpy kid';
4
5
6
```

Below the code, the results of the query are displayed in a table titled "library_system (3r x 2c)":

#	name	borrow_date
1	Jane Smith	2023-04-15
2	Emily Williams	2023-03-20
3	Daniel Gonzalez	2023-08-01

Code:

SELECT * FROM library_system

WHERE borrow_date > '2023-03-20';

6.



The screenshot shows a SQL query editor with the following code:

```
1 SELECT name, borrow_date
2 FROM library_system
3 WHERE book_name = 'Diary of the wimpy kid';
4
5
6
```

Below the code, the results of the query are displayed in a table titled "library_system (3r x 2c)":

#	name	borrow_date
1	Jane Smith	2023-04-15
2	Emily Williams	2023-03-20
3	Daniel Gonzalez	2023-08-01

Code:

SELECT name, borrow_date

FROM library_system

WHERE book_name = 'Diary of the wimpy kid';