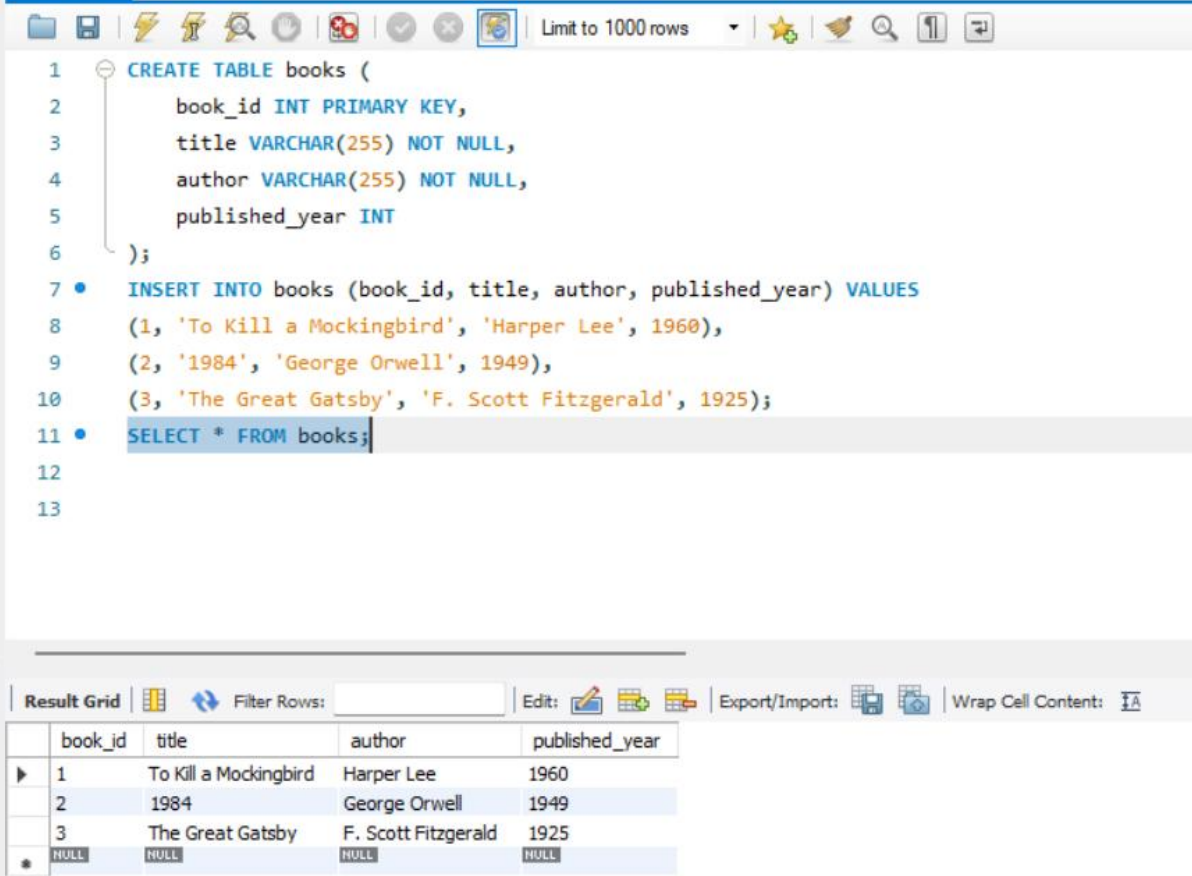


**Assignment 7:** Prepare a series of SQL statements to INSERT new records into the library tables, UPDATE existing records with new information, and DELETE records based on specific criteria. Include BULK INSERT operations to load data from an external source.

**Step 1 :** Create the books Table & Insert New Records.



```
1 CREATE TABLE books (  
2     book_id INT PRIMARY KEY,  
3     title VARCHAR(255) NOT NULL,  
4     author VARCHAR(255) NOT NULL,  
5     published_year INT  
6 );  
7 • INSERT INTO books (book_id, title, author, published_year) VALUES  
8 (1, 'To Kill a Mockingbird', 'Harper Lee', 1960),  
9 (2, '1984', 'George Orwell', 1949),  
10 (3, 'The Great Gatsby', 'F. Scott Fitzgerald', 1925);  
11 • SELECT * FROM books;  
12  
13
```

Result Grid

	book_id	title	author	published_year
▶	1	To Kill a Mockingbird	Harper Lee	1960
	2	1984	George Orwell	1949
	3	The Great Gatsby	F. Scott Fitzgerald	1925
*	NULL	NULL	NULL	NULL

**Step 2 :** Update Existing Records.

The screenshot shows a database management interface. The top toolbar includes icons for file operations, execution, and search, along with a 'Limit to 1000 rows' dropdown. The main area contains three SQL queries:

```
12 • UPDATE books SET published_year = 1961 WHERE book_id = 1;
13 • UPDATE books SET author = 'Orwell' WHERE book_id = 2;
14 • SELECT * FROM books WHERE book_id IN (1,2);
```

Below the queries is a 'Result Grid' section. It includes a 'Filter Rows' input field, an 'Edit' button, and 'Export/Import' options. The grid displays the results of the third query:

	book_id	title	author	published_year
▶	1	To Kill a Mockingbird	Harper Lee	1961
	2	1984	Orwell	1949
*	NULL	NULL	NULL	NULL

**Step 3 :** Delete Records Based on Criteria.

```
15 • DELETE FROM books WHERE published_year < 1950;
16 • SELECT * FROM books;
17
18
19
20
21
22
23
24
25
26
27
28
29
30
```

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content:

	book_id	title	author	published_year
▶	1	To Kill a Mockingbird	Harper Lee	1961
*	NULL	NULL	NULL	NULL

#### Step 4: Bulk Insert.

```
18 • LOAD DATA INFILE '/path/to/books_data.csv'
19 INTO TABLE books
20 FIELDS TERMINATED BY ','
21 LINES TERMINATED BY '\\n'
22 IGNORE 1 ROWS
23 (book_id, title, author, published_year);
24
25
```