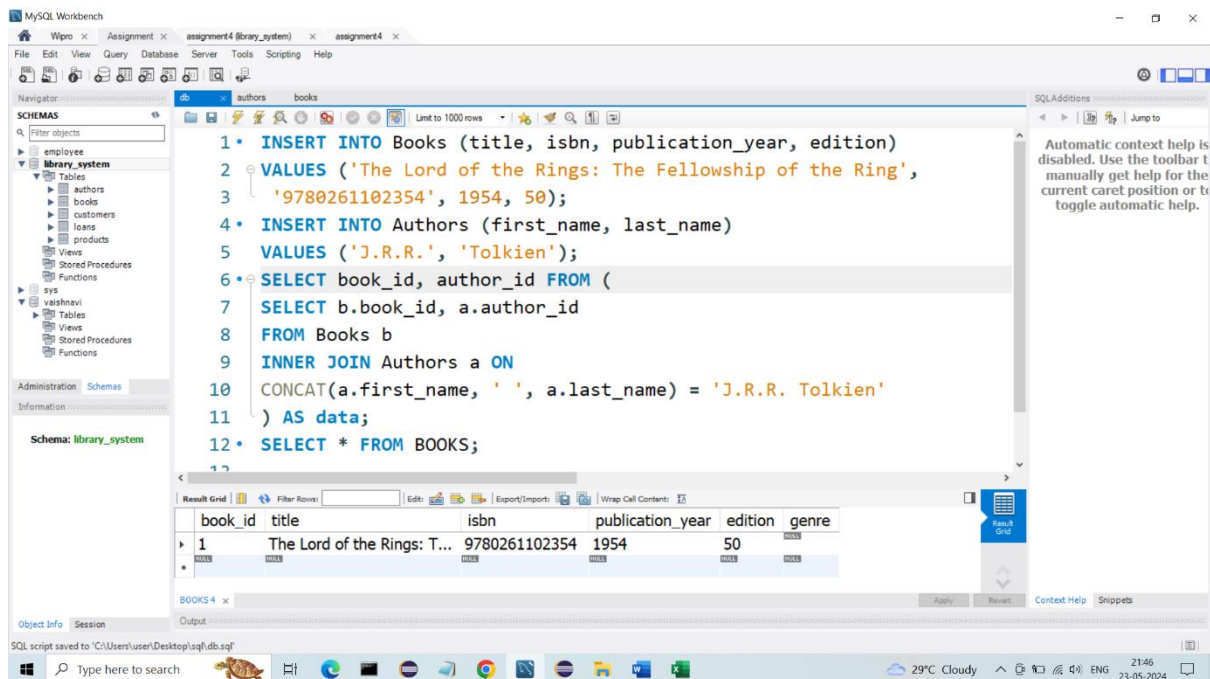


Assignment 07:

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.

1.INSERT STATEMENTS: -



The screenshot displays the MySQL Workbench interface. The left sidebar shows the 'Schemas' panel with a tree view of the 'library_system' database, including tables like 'authors', 'books', 'customers', 'loans', and 'products'. The main editor window contains the following SQL script:

```
1 • INSERT INTO Books (title, isbn, publication_year, edition)
2 • VALUES ('The Lord of the Rings: The Fellowship of the Ring',
3 • '9780261102354', 1954, 50);
4 • INSERT INTO Authors (first_name, last_name)
5 • VALUES ('J.R.R.', 'Tolkien');
6 • SELECT book_id, author_id FROM (
7 • SELECT b.book_id, a.author_id
8 • FROM Books b
9 • INNER JOIN Authors a ON
10 • CONCAT(a.first_name, ' ', a.last_name) = 'J.R.R. Tolkien'
11 • ) AS data;
12 • SELECT * FROM BOOKS;
```

Below the script, the 'Result Grid' shows the output of the final SELECT statement. It contains one row of data:

book_id	title	isbn	publication_year	edition	genre
1	The Lord of the Rings: T...	9780261102354	1954	50	

The bottom status bar indicates the SQL script was saved to 'C:\Users\user\Desktop\sql\ldb.sql'.

2.UPDATE STATEMENTS

The screenshot shows the MySQL Workbench interface. The 'Schemas' pane on the left displays the 'library_system' database with its tables: authors, books, customers, loans, products, and views. The 'Query Editor' in the center contains the following SQL statement:

```
1 • UPDATE Books SET edition = edition + 1
2 • WHERE title = 'The Lord of the Rings: The Fellowship of the Ring';
3 • SELECT * FROM Books;
```

The 'Result Grid' at the bottom shows the data for the 'books' table:

book_id	title	isbn	publication_year	edition
1	The Lord of the Rings: T...	9780261102354	1954	51

The status bar at the bottom indicates 'Query Completed'.

The screenshot shows the MySQL Workbench interface. The 'Schemas' pane on the left displays the 'library_system' database with its tables: authors, books, customers, loans, products, and views. The 'Query Editor' in the center contains the following SQL statement:

```
1 • UPDATE Authors SET first_name='MR.J.R.R'
2 • WHERE author_id=1;
3 • SELECT * FROM Authors;
4 •
```

The 'Result Grid' at the bottom shows the data for the 'Authors' table:

author_id	first_name	last_name
1	MR.J.R.R	Tolkien

The status bar at the bottom indicates 'Query Completed'.

3.DELETE STATEMENTS: -

MySQL Workbench

Wipro x Assignment x assignment4 (library_system) x assignment4 x

File Edit View Query Database Server Tools Scripting Help

Navigator

Filter objects

SCHEMAS

employee

library_system

Tables

authors

books

customers

loans

products

Views

Stored Procedures

Functions

sys

vaishnavi

Tables

Views

Stored Procedures

Functions

Administration Schemas

Information

Schema: library_system

Limit to 1000 rows

1 • UPDATE Authors SET first_name='MR.J.R.R'

2 WHERE author_id=1;

3 • SELECT * FROM Authors;

4 • DELETE FROM Books WHERE book_id = 1;

5 • SELECT * FROM Books;

Result Grid

book_id title isbn publication_year edition

Books 9 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
22	21:52:38	SELECT * FROM Books LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
23	21:53:37	SELECT * FROM Books LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
24	21:54:22	SELECT * FROM Authors LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
25	21:55:04	DELETE FROM Books WHERE book_id = 1	1 row(s) affected	0.016 sec
26	21:55:26	SELECT * FROM Books LIMIT 0, 1000	0 row(s) returned	0.000 sec / 0.000 sec

Query Completed

Type here to search

29°C Cloudy

21:55

23-05-2024

4. BULK INSERT: -

MySQL Workbench

Wipro x Assignment x assignment4 (library_system) x assignment4 x

File Edit View Query Database Server Tools Scripting Help

Navigator

Filter objects

SCHEMAS

employee

library_system

Tables

authors

books

customers

loans

products

Views

Stored Procedures

Functions

sys

vaishnavi

Tables

Views

Stored Procedures

Functions

Administration Schemas

Information

Schema: library_system

Limit to 1000 rows

2 WHERE author_id=1;

3 • SELECT * FROM Authors;

4 • DELETE FROM Books WHERE book_id = 1;

5 • LOAD DATA LOCAL INFILE 'D:/new_members.csv'

6 INTO TABLE Books (author_id,first_name,last_name);

7 • SELECT * FROM Books;

Result Grid

book_id title isbn publication_year edition

Books 10 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
26	21:55:26	SELECT * FROM Books LIMIT 0, 1000	0 row(s) returned	0.000 sec / 0.000 sec
27	21:57:42	LOAD DATA LOCAL INFILE 'path-to-new_members.csv' INTO TABLE Members (name, email, phone_number,	Error Code: 1064. You have an error in your SQL syntax; check the manual that corresponds to your MySQL se...	0.000 sec
28	22:05:51	LOAD DATA LOCAL INFILE 'path-to-new_members.csv' INTO TABLE Books (author_id,first_name,last_name)	Error Code: 3948. Loading local data is disabled; this must be enabled on both the client and server sides	0.000 sec
29	22:06:31	LOAD DATA LOCAL INFILE 'D:/new_members.csv' INTO TABLE Books (author_id,first_name,last_name)	Error Code: 3948. Loading local data is disabled; this must be enabled on both the client and server sides	0.000 sec
30	22:06:47	SELECT * FROM Books LIMIT 0, 1000	0 row(s) returned	0.016 sec / 0.000 sec

Query Completed

Type here to search

36°C Haze

22:06

23-05-2024