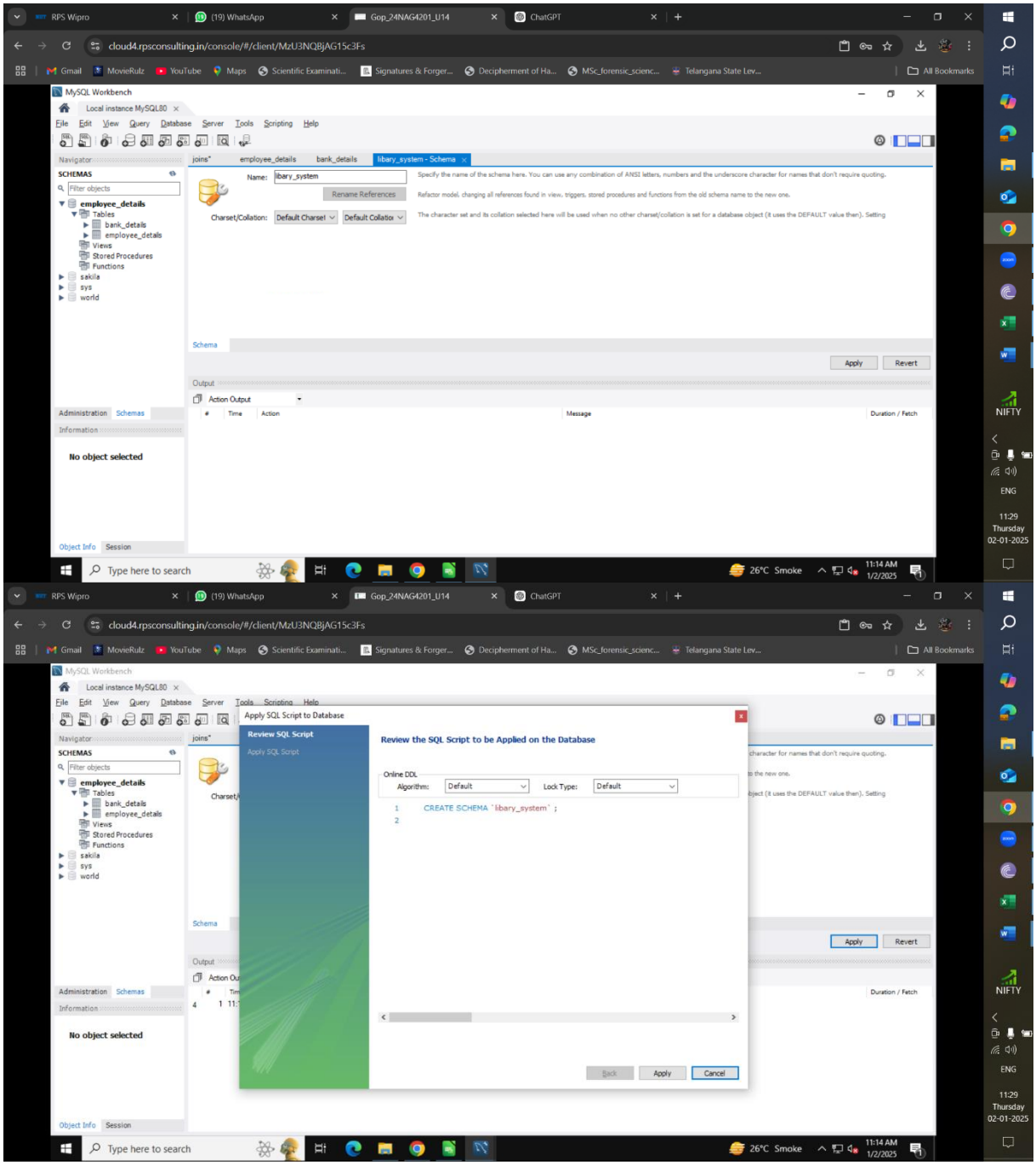
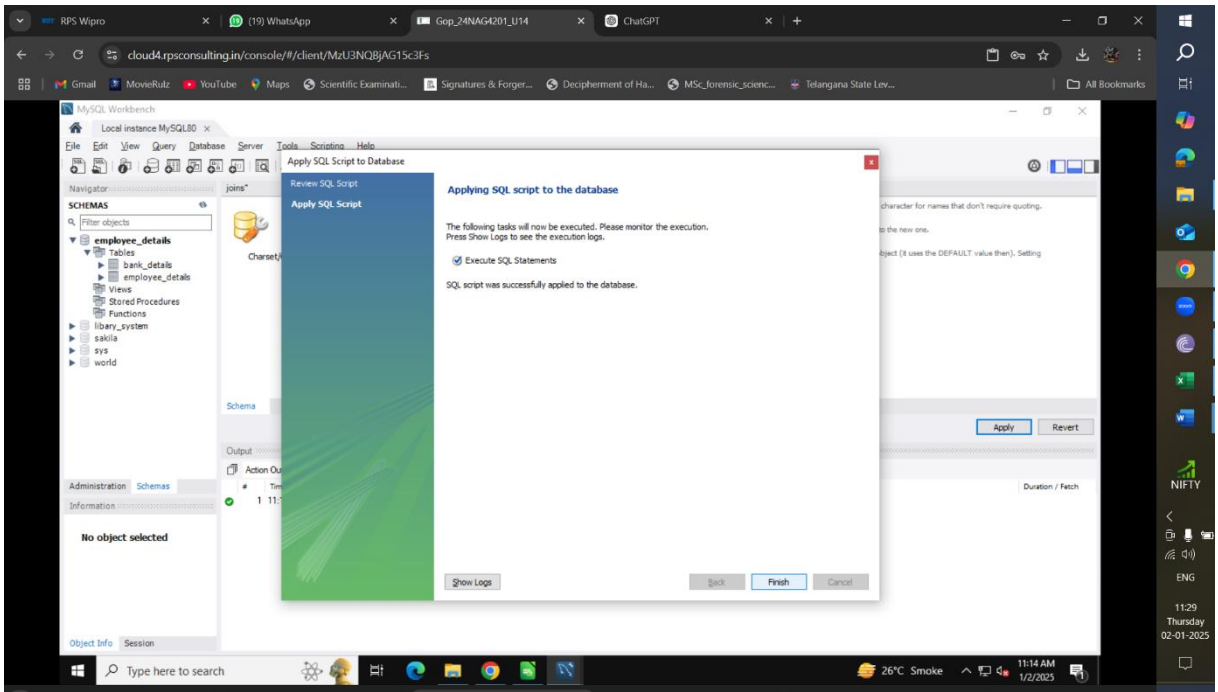
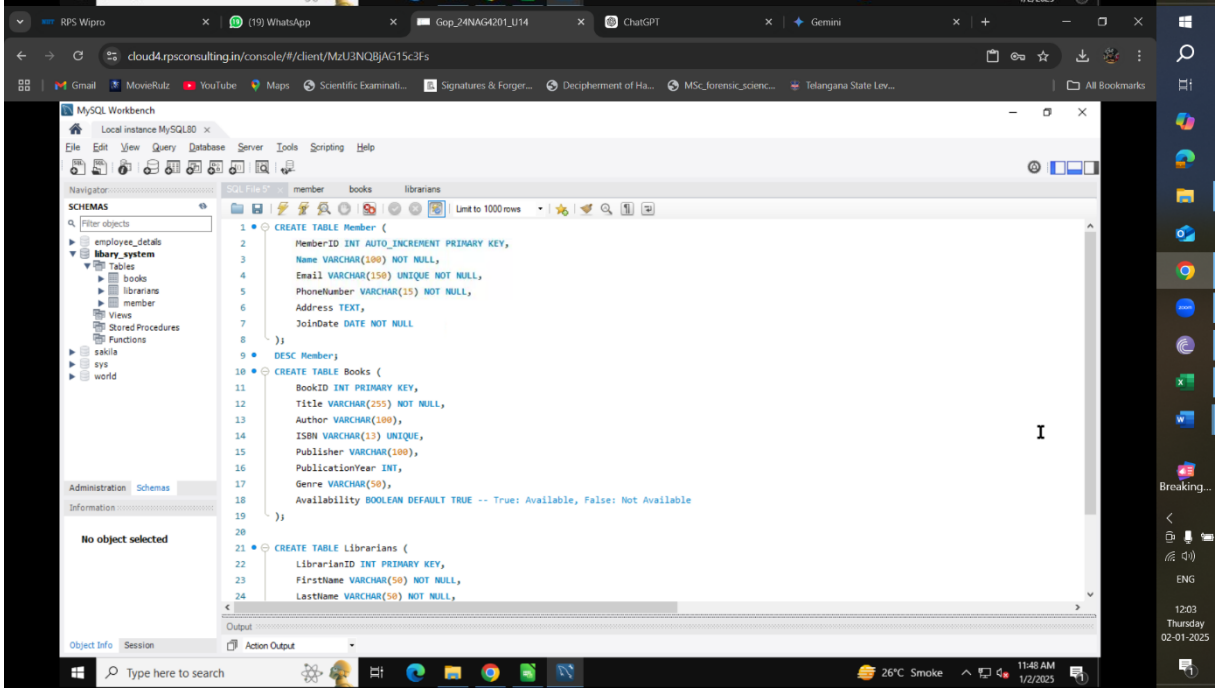
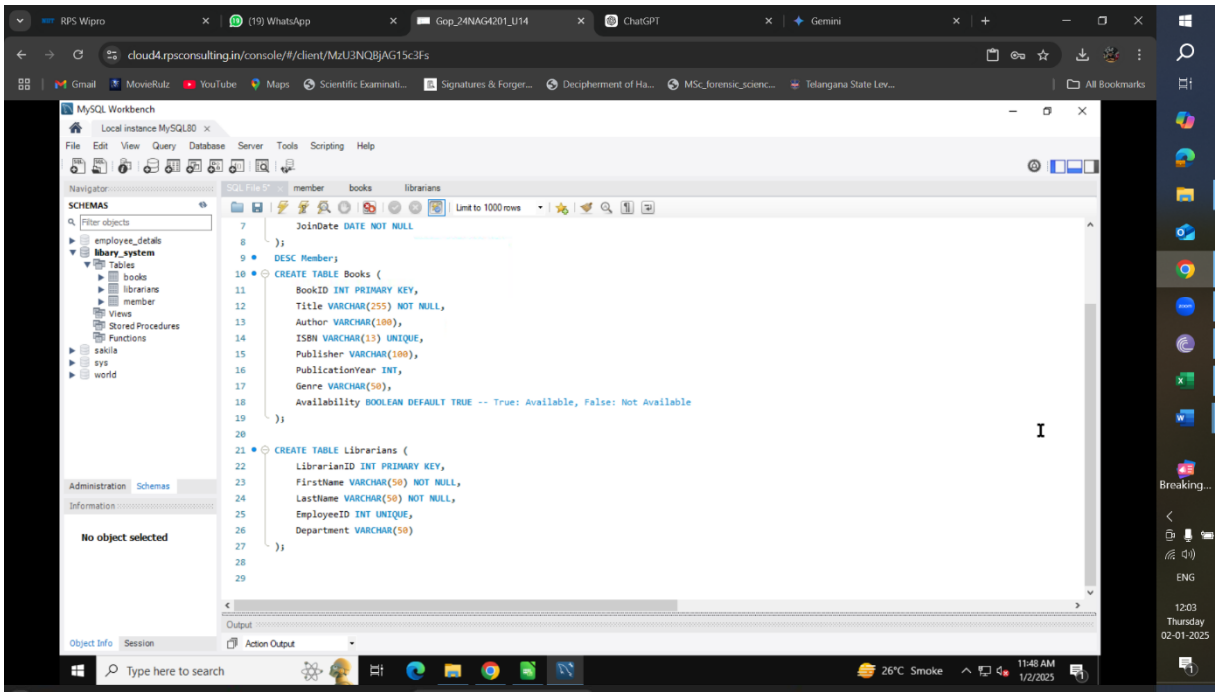
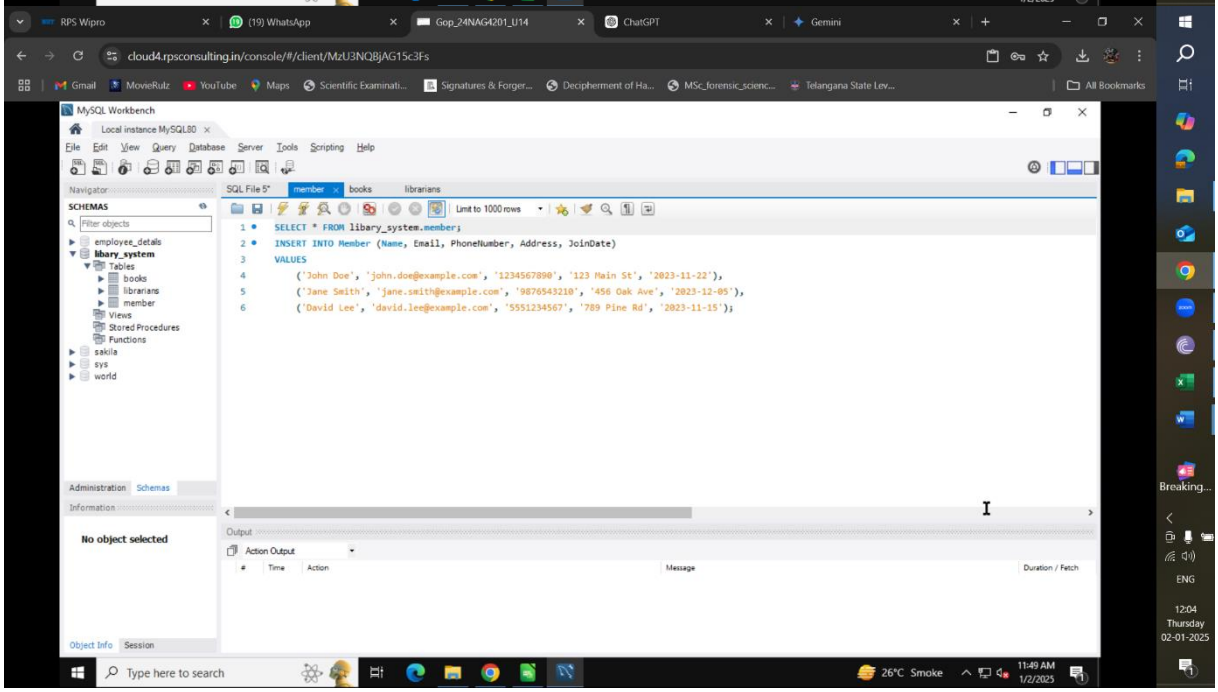
Write SQL statements to CREATE a new database and tables that reflect the library schema you designed earlier. Use ALTER statements to modify the table structures and DROP statements to remove a redundant table

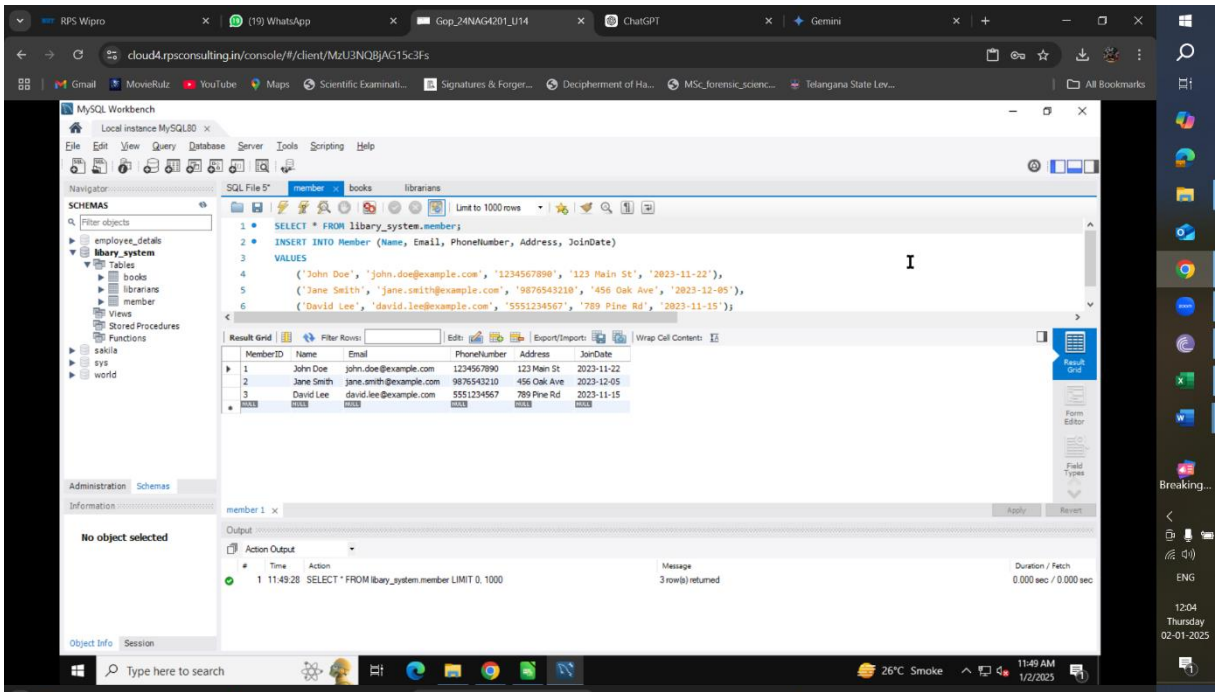


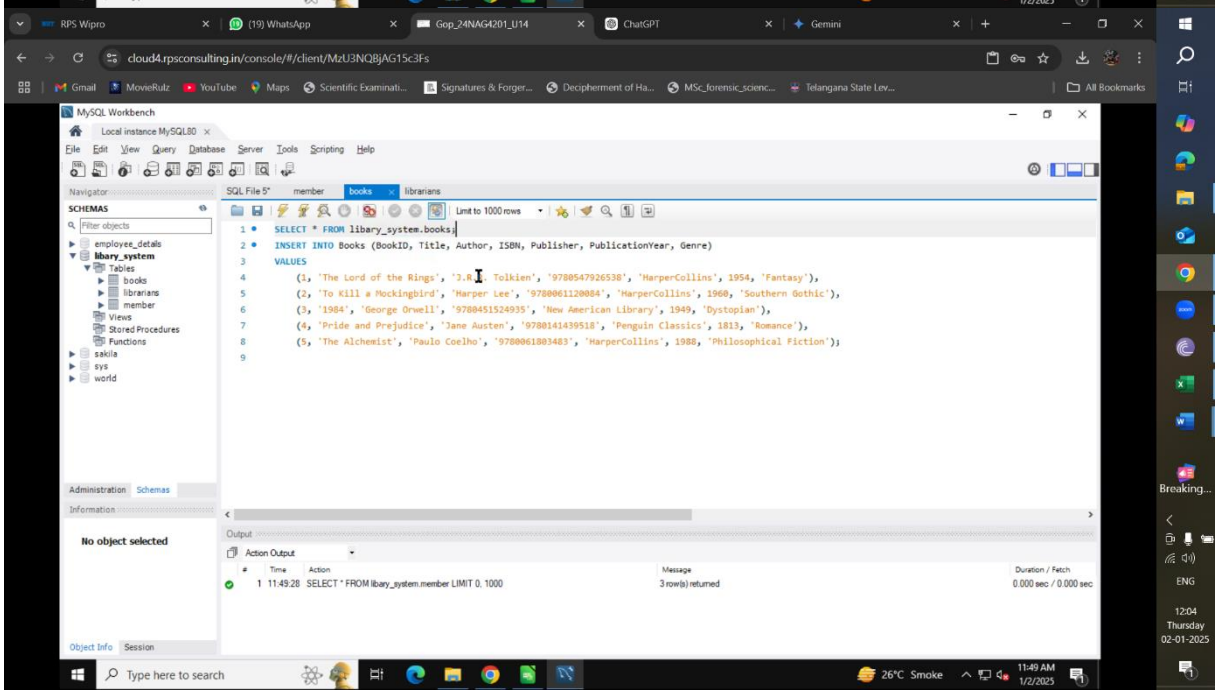

RPS Wipro
(19) WhatsApp
Gop_24NAG4201_U14
ChatGPT
cloud4.rpsconsulting.in/console/#/client/MzU3NQBjAG15c3Fs
MySQL Workbench
Local instance MySQL80
Apply SQL Script to Database
Review SQL Script
Apply SQL Script
Applying SQL script to the database
The following tasks will now be executed. Please monitor the execution.
Press Show Logs to see the execution logs.
Execute SQL Statements
SQL script was successfully applied to the database.
Show Logs
Back
Finish
Cancel
No object selected
Apply
Revert
Type here to search
26°C Smoke
11:14 AM
1/2/2025

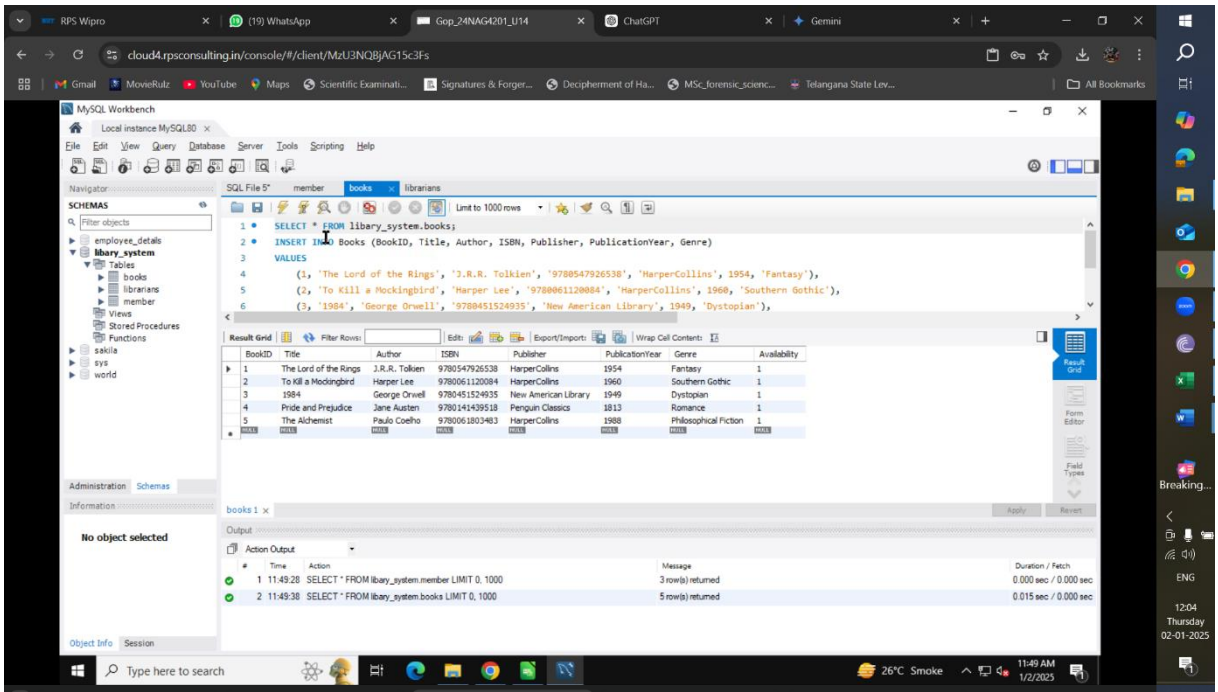

RPS Wipro
(19) WhatsApp
Gop_24NAG4201_U14
ChatGPT
Gemini
cloud4.rpsconsulting.in/console/#/client/MzU3NQBjAG15c3Fs
MySQL Workbench
Local instance MySQL80
SQL File 5*
member
books
librarians
Limit to 1000 rows
1 CREATE TABLE Member (
2 MemberID INT AUTO_INCREMENT PRIMARY KEY,
3 Name VARCHAR(100) NOT NULL,
4 Email VARCHAR(150) UNIQUE NOT NULL,
5 PhoneNumber VARCHAR(15) NOT NULL,
6 Address TEXT,
7 JoinDate DATE NOT NULL
8);
9 DESC Member;
10 CREATE TABLE Books (
11 BookID INT PRIMARY KEY,
12 Title VARCHAR(255) NOT NULL,
13 Author VARCHAR(100),
14 ISBN VARCHAR(13) UNIQUE,
15 Publisher VARCHAR(100),
16 PublicationYear INT,
17 Genre VARCHAR(50),
18 Availability BOOLEAN DEFAULT TRUE -- True: Available, False: Not Available
19);
20
21 CREATE TABLE Librarians (
22 LibrarianID INT PRIMARY KEY,
23 FirstName VARCHAR(50) NOT NULL,
24 LastName VARCHAR(50) NOT NULL,
No object selected
Action Output
Type here to search
26°C Smoke
11:48 AM
1/2/2025

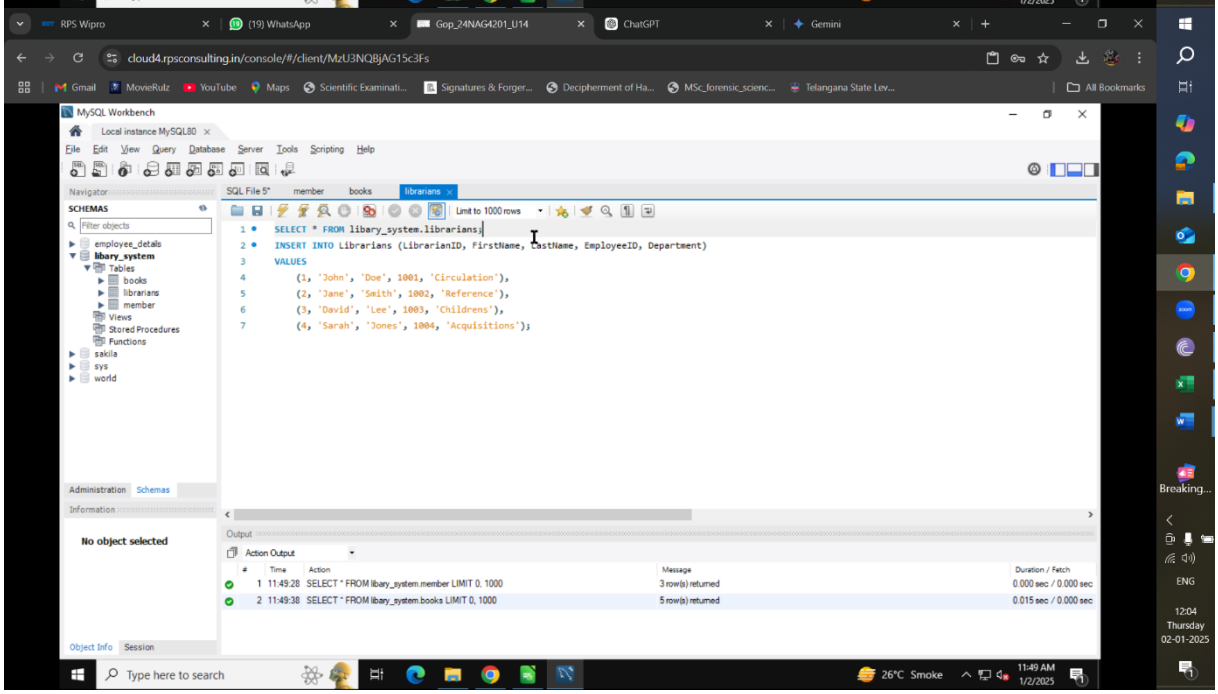

RPS Wipro
(19) WhatsApp
Gop_24NAG4201_U14
ChatGPT
Gemini
cloud4.rpsconsulting.in/console/#/client/MzU3NQBjAG15c3Fs
MySQL Workbench
Local instance MySQL80
File Edit View Query Database Server Tools Scripting Help
SQL File 5*
member
books
librarians
Limit to 1000 rows
SCHEMAS
employee_details
libary_system
Tables
books
librarians
member
Views
Stored Procedures
Functions
sakila
sys
world
Administration Schemas
Information
No object selected
Object Info Session
Output
Action Output
JoinDate DATE NOT NULL
);
DESC Member;
CREATE TABLE Books (
BookID INT PRIMARY KEY,
Title VARCHAR(255) NOT NULL,
Author VARCHAR(100),
ISBN VARCHAR(13) UNIQUE,
Publisher VARCHAR(100),
PublicationYear INT,
Genre VARCHAR(50),
Availability BOOLEAN DEFAULT TRUE -- True: Available, False: Not Available
);
CREATE TABLE Librarians (
LibrarianID INT PRIMARY KEY,
FirstName VARCHAR(50) NOT NULL,
LastName VARCHAR(50) NOT NULL,
EmployeeID INT UNIQUE,
Department VARCHAR(50)
);
Type here to search
26°C Smoke
11:48 AM
1/2/2025
ENG
12:03
Thursday
02-01-2025

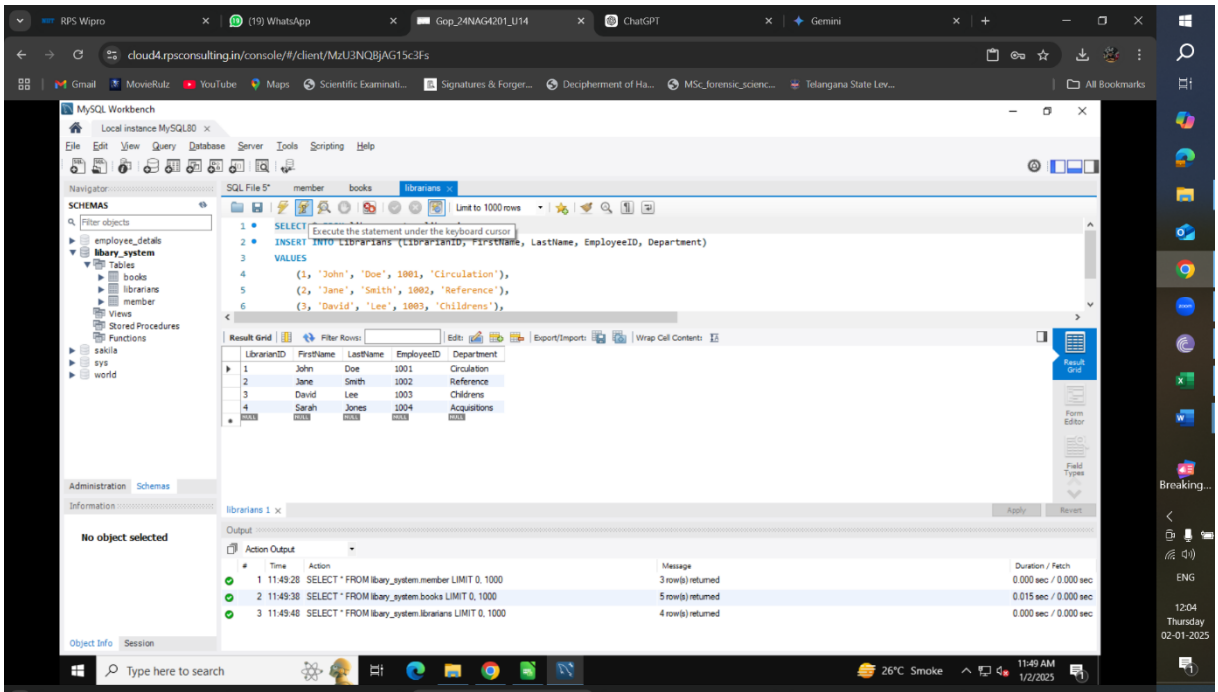

RPS Wipro
(19) WhatsApp
Gop_24NAG4201_U14
ChatGPT
Gemini
cloud4.rpsconsulting.in/console/#/client/MzU3NQBjAG15c3Fs
MySQL Workbench
Local instance MySQL80
File Edit View Query Database Server Tools Scripting Help
SQL File 5*
member
books
librarians
Limit to 1000 rows
SCHEMAS
employee_details
libary_system
Tables
books
librarians
member
Views
Stored Procedures
Functions
sakila
sys
world
Administration Schemas
Information
No object selected
Object Info Session
Output
Action Output
Time Action Message Duration / Fetch
SELECT * FROM libary_system.member;
INSERT INTO Member (Name, Email, PhoneNumber, Address, JoinDate)
VALUES
('John Doe', 'john.doe@example.com', '1234567890', '123 Main St', '2023-11-22'),
('Jane Smith', 'jane.smith@example.com', '9876543210', '456 Oak Ave', '2023-12-05'),
('David Lee', 'david.lee@example.com', '5551234567', '789 Pine Rd', '2023-11-15');
Type here to search
26°C Smoke
11:49 AM
1/2/2025
ENG
12:04
Thursday
02-01-2025


cloud4.rpsconsulting.in/console/#/client/MzU3NQBjAG15c3Fs
MySQL Workbench
Local instance MySQL80
SQL File 5*
member
books
librarians
SELECT * FROM libary_system.member;
INSERT INTO Member (Name, Email, PhoneNumber, Address, JoinDate)
VALUES
('John Doe', 'john.doe@example.com', '1234567890', '123 Main St', '2023-11-22'),
('Jane Smith', 'jane.smith@example.com', '9876543210', '456 Oak Ave', '2023-12-05'),
('David Lee', 'david.lee@example.com', '5551234567', '789 Pine Rd', '2023-11-15');
MemberID Name Email PhoneNumber Address JoinDate
1 John Doe john.doe@example.com 1234567890 123 Main St 2023-11-22
2 Jane Smith jane.smith@example.com 9876543210 456 Oak Ave 2023-12-05
3 David Lee david.lee@example.com 5551234567 789 Pine Rd 2023-11-15
No object selected
1 11:49:28 SELECT * FROM libary_system.member LIMIT 0, 1000
3 row(s) returned
0.000 sec / 0.000 sec


cloud4.rpsconsulting.in/console/#/client/MzU3NQBjAG15c3Fs
MySQL Workbench
Local instance MySQL80
SQL File 5*
member
books
librarians
SELECT * FROM libary_system.books;
INSERT INTO Books (BookID, Title, Author, ISBN, Publisher, PublicationYear, Genre)
VALUES
(1, 'The Lord of the Rings', 'J.R.R. Tolkien', '9780547926538', 'HarperCollins', 1954, 'Fantasy'),
(2, 'To Kill a Mockingbird', 'Harper Lee', '9780061120084', 'HarperCollins', 1960, 'Southern Gothic'),
(3, '1984', 'George Orwell', '9780451524935', 'New American Library', 1949, 'Dystopian'),
(4, 'Pride and Prejudice', 'Jane Austen', '9780141439518', 'Penguin Classics', 1813, 'Romance'),
(5, 'The Alchemist', 'Paulo Coelho', '9780061803483', 'HarperCollins', 1988, 'Philosophical Fiction');
No object selected
1 11:49:28 SELECT * FROM libary_system.member LIMIT 0, 1000
3 row(s) returned
0.000 sec / 0.000 sec


cloud4.rpsconsulting.in/console/#/client/MzU3NQBjAG15c3Fs
MySQL Workbench
Local instance MySQL80
SELECT * FROM libary_system.books;
INSERT INTO Books (BookID, Title, Author, ISBN, Publisher, PublicationYear, Genre)
VALUES
(1, 'The Lord of the Rings', 'J.R.R. Tolkien', '9780547926538', 'HarperCollins', 1954, 'Fantasy'),
(2, 'To Kill a Mockingbird', 'Harper Lee', '9780061120084', 'HarperCollins', 1960, 'Southern Gothic'),
(3, '1984', 'George Orwell', '9780451524935', 'New American Library', 1949, 'Dystopian'),
No object selected
1 11:49:28 SELECT * FROM libary_system.member LIMIT 0, 1000 3 row(s) returned 0.000 sec / 0.000 sec
2 11:49:38 SELECT * FROM libary_system.books LIMIT 0, 1000 5 row(s) returned 0.015 sec / 0.000 sec
Type here to search
26°C Smoke
11:49 AM 1/2/2025


cloud4.rpsconsulting.in/console/#/client/MzU3NQBjAG15c3Fs
MySQL Workbench
Local instance MySQL80
SELECT * FROM libary_system.librarians;
INSERT INTO Librarians (LibrarianID, FirstName, LastName, EmployeeID, Department)
VALUES
(1, 'John', 'Doe', 1001, 'Circulation'),
(2, 'Jane', 'Smith', 1002, 'Reference'),
(3, 'David', 'Lee', 1003, 'Childrens'),
(4, 'Sarah', 'Jones', 1004, 'Acquisitions');
No object selected
1 11:49:28 SELECT * FROM libary_system.member LIMIT 0, 1000 3 row(s) returned 0.000 sec / 0.000 sec
2 11:49:38 SELECT * FROM libary_system.books LIMIT 0, 1000 5 row(s) returned 0.015 sec / 0.000 sec
Type here to search
26°C Smoke
11:49 AM 1/2/2025


RPS Wipro
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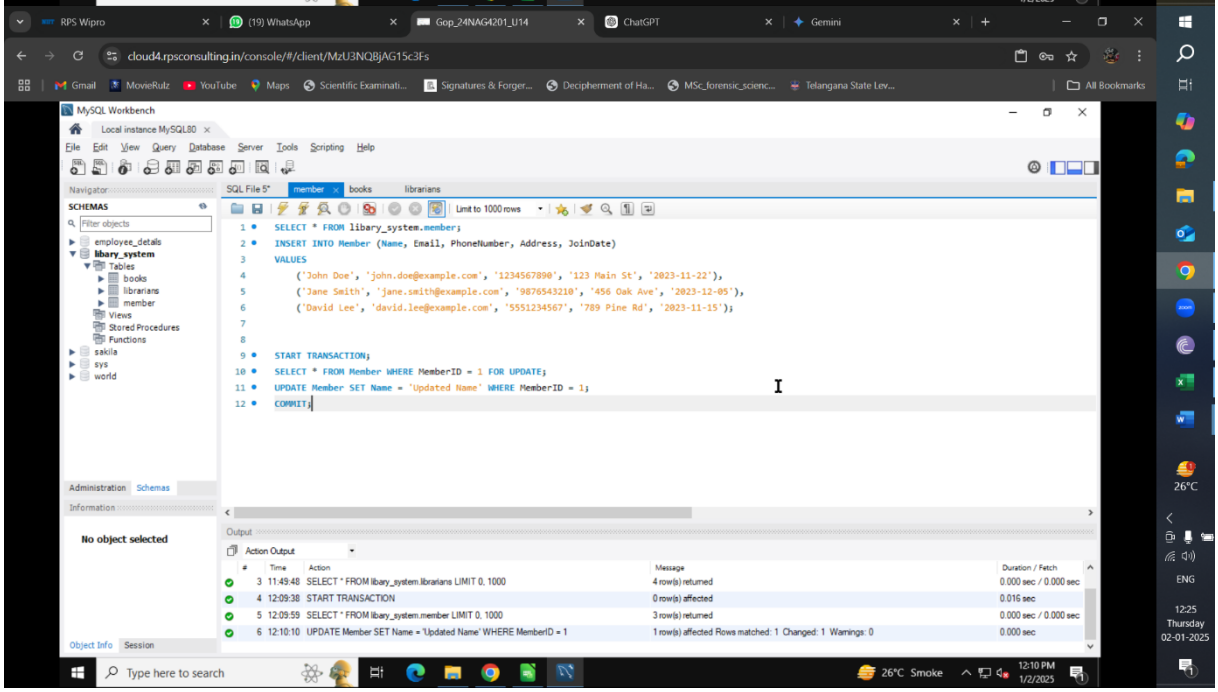
Gop_24NAG4201_U14
ChatGPT
Gemini
cloud4.rpsconsulting.in/console/#/client/MzU3NQBjAG15c3Fs
MySQL Workbench
Local instance MySQL80
SQL File 5*
member
books
librarians
Execute the statement under the keyboard cursor
SELECT
INSERT INTO Librarians (LibrarianID, FirstName, LastName, EmployeeID, Department)
VALUES
(1, 'John', 'Doe', 1001, 'Circulation'),
(2, 'Jane', 'Smith', 1002, 'Reference'),
(3, 'David', 'Lee', 1003, 'Childrens'),
Result Grid
LibrarianID FirstName LastName EmployeeID Department
1 John Doe 1001 Circulation
2 Jane Smith 1002 Reference
3 David Lee 1003 Childrens
4 Sarah Jones 1004 Acquisitions
No object selected
Output
Action Output
1 11:49:28 SELECT * FROM libary_system.member LIMIT 0, 1000 3 row(s) returned 0.000 sec / 0.000 sec
2 11:49:38 SELECT * FROM libary_system.books LIMIT 0, 1000 5 row(s) returned 0.015 sec / 0.000 sec
3 11:49:48 SELECT * FROM libary_system.librarians LIMIT 0, 1000 4 row(s) returned 0.000 sec / 0.000 sec
Type here to search
26°C Smoke
11:49 AM
1/2/2025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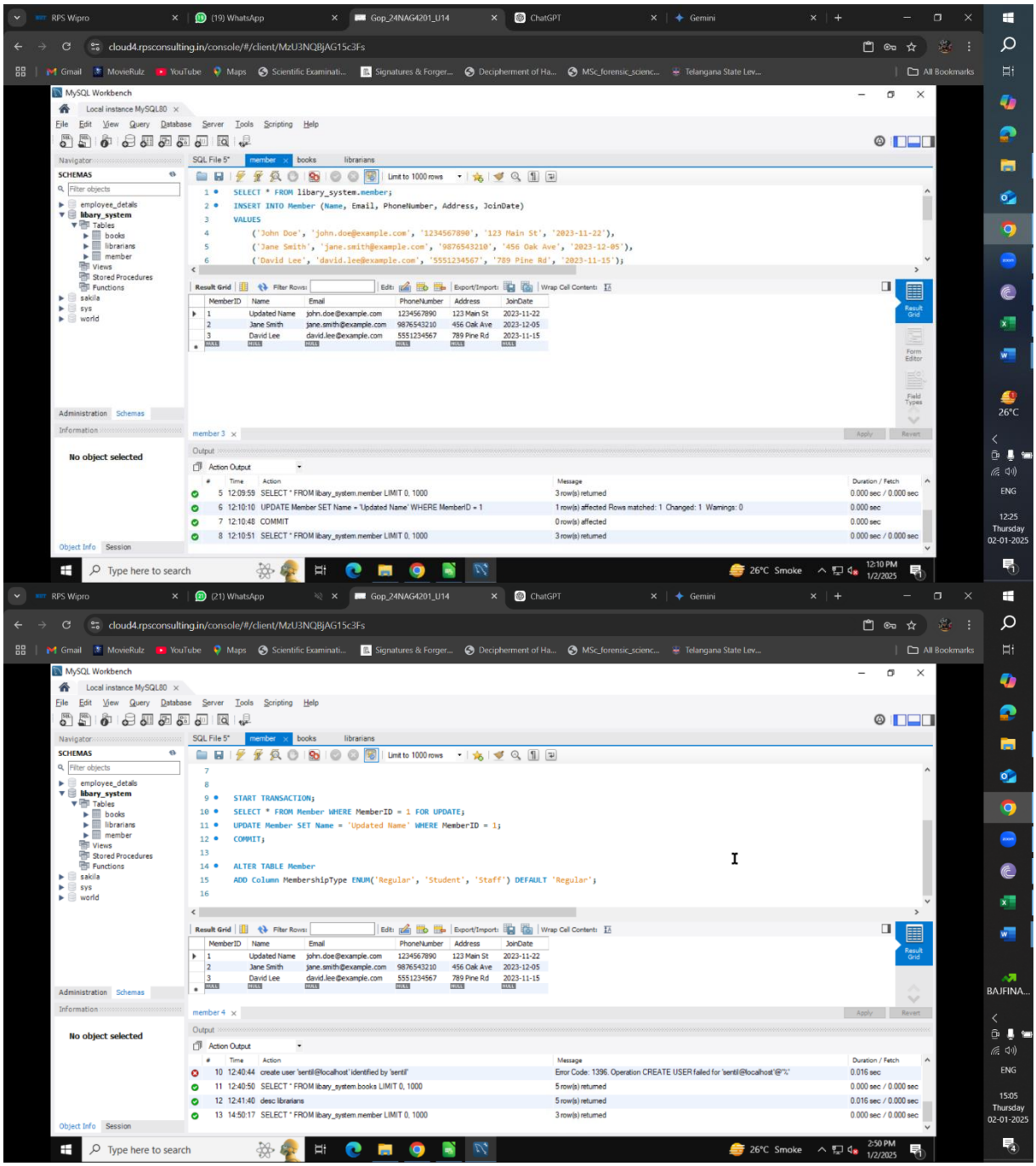
Gop_24NAG4201_U14
ChatGPT
Gemini
cloud4.rpsconsulting.in/console/#/client/MzU3NQBjAG15c3Fs
MySQL Workbench
Local instance MySQL80
SQL File 5*
member
books
librarians
SELECT * FROM libary_system.member;
INSERT INTO Member (Name, Email, PhoneNumber, Address, JoinDate)
VALUES
('John Doe', 'john.doe@example.com', '1234567890', '123 Main St', '2023-11-22'),
('Jane Smith', 'jane.smith@example.com', '9876543210', '456 Oak Ave', '2023-12-05'),
('David Lee', 'david.lee@example.com', '5551234567', '789 Pine Rd', '2023-11-15');
START TRANSACTION;
SELECT * FROM Member WHERE MemberID = 1 FOR UPDATE;
UPDATE Member SET Name = 'Updated Name' WHERE MemberID = 1;
COMMIT;
No object selected
Output
Action Output
3 11:49:48 SELECT * FROM libary_system.librarians LIMIT 0, 1000 4 row(s) returned 0.000 sec / 0.000 sec
4 12:09:38 START TRANSACTION 0 row(s) affected 0.016 sec
5 12:09:59 SELECT * FROM libary_system.member LIMIT 0, 1000 3 row(s) returned 0.000 sec / 0.000 sec
6 12:10:10 UPDATE Member SET Name = 'Updated Name' WHERE MemberID = 1 1 row(s) affected Rows matched: 1 Changed: 1 Warnings: 0 0.000 sec
Type here to search
26°C Smoke
12:10 PM
1/2/2025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ChatGPT
Gemini
cloud4.rpsconsulting.in/console/#/client/MzU3NQBjAG15c3Fs
MySQL Workbench
Local instance MySQL80
SELECT * FROM libary_system.member;
INSERT INTO Member (Name, Email, PhoneNumber, Address, JoinDate)
VALUES
('John Doe', 'john.doe@example.com', '1234567890', '123 Main St', '2023-11-22'),
('Jane Smith', 'jane.smith@example.com', '9876543210', '456 Oak Ave', '2023-12-05'),
('David Lee', 'david.lee@example.com', '5551234567', '789 Pine Rd', '2023-11-15');
No object selected
Type here to search
26°C Smoke
12:10 PM
1/2/2025

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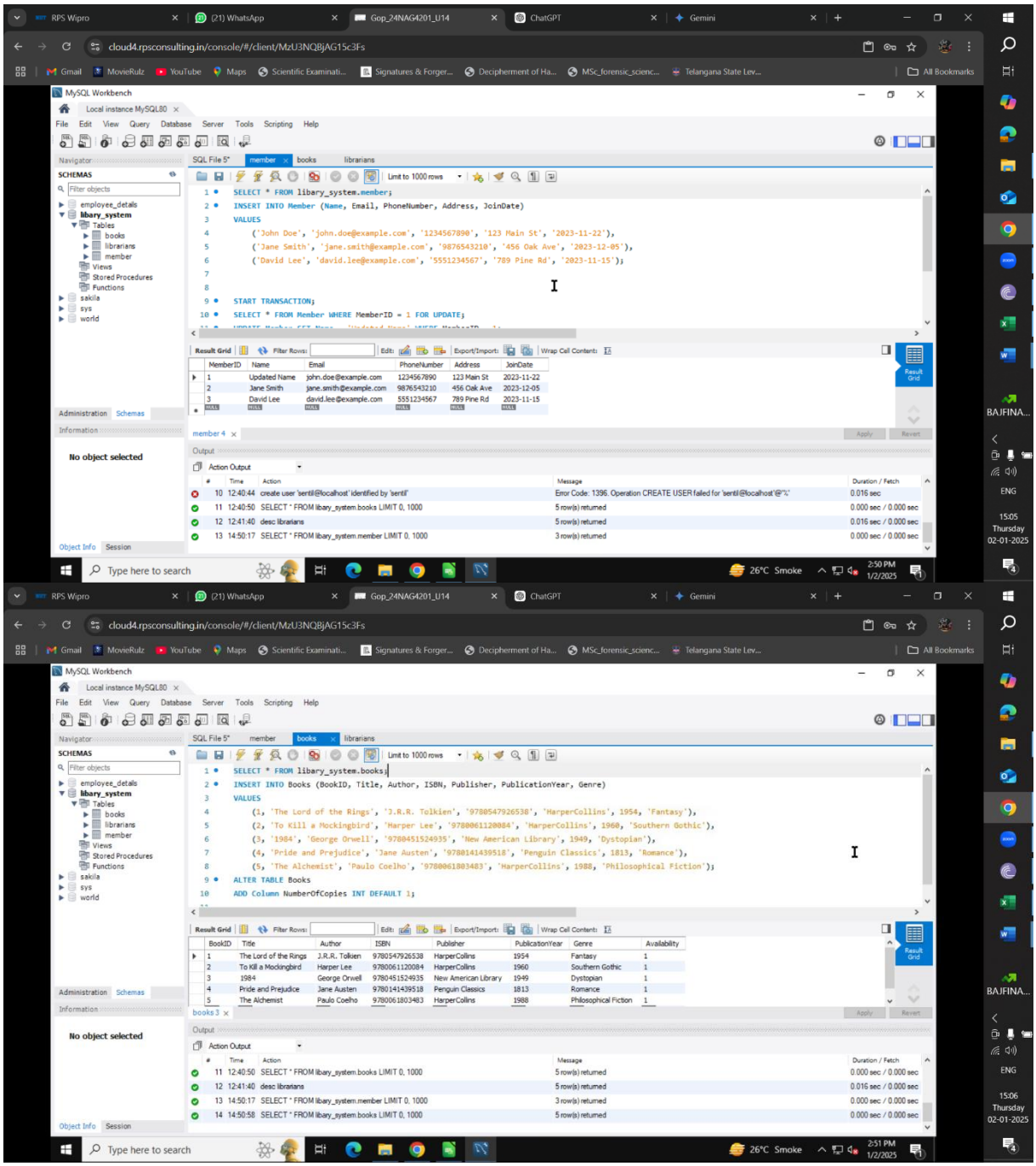
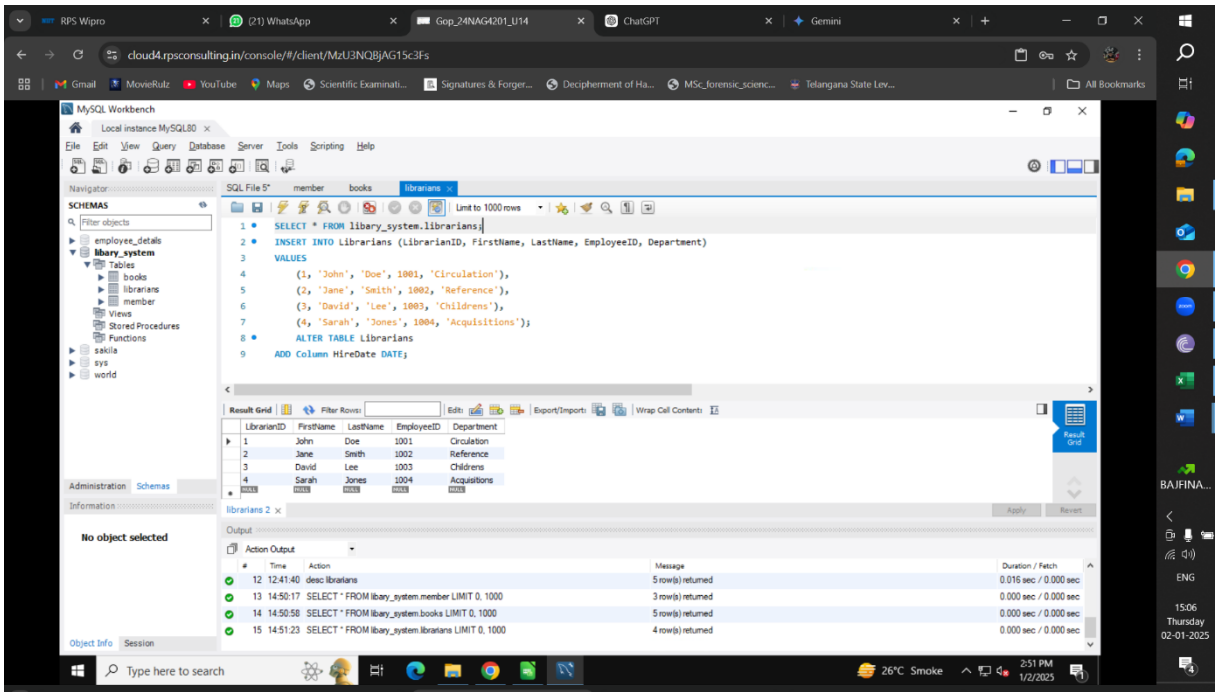
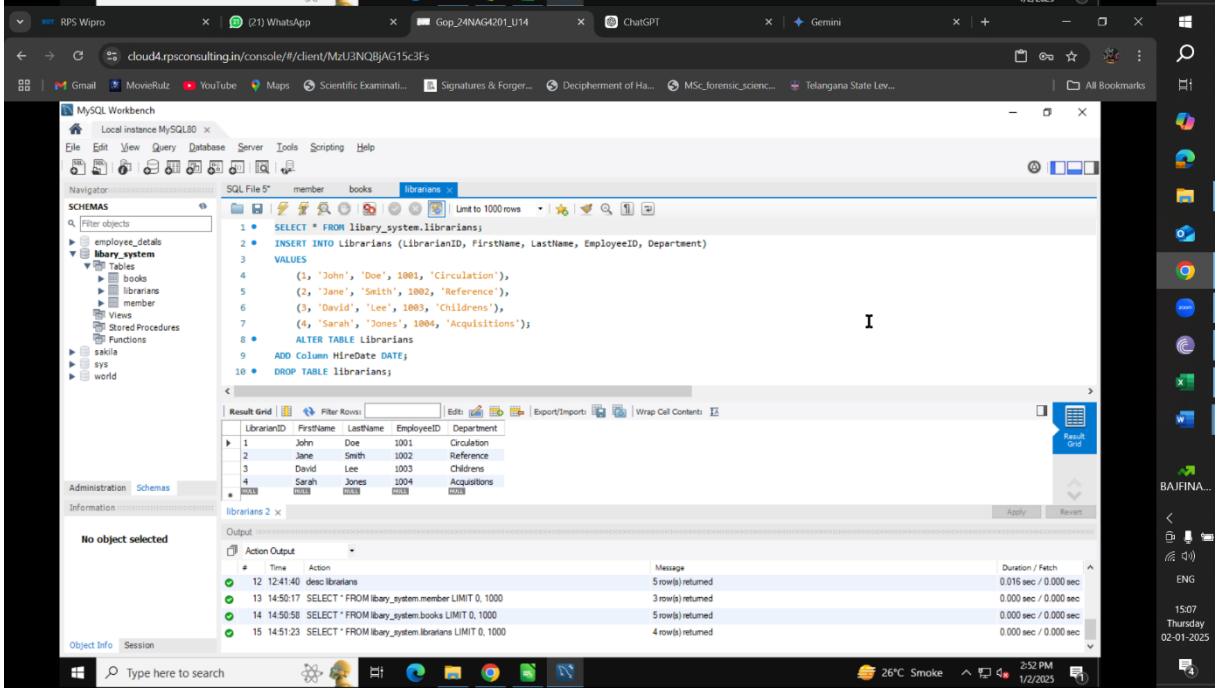
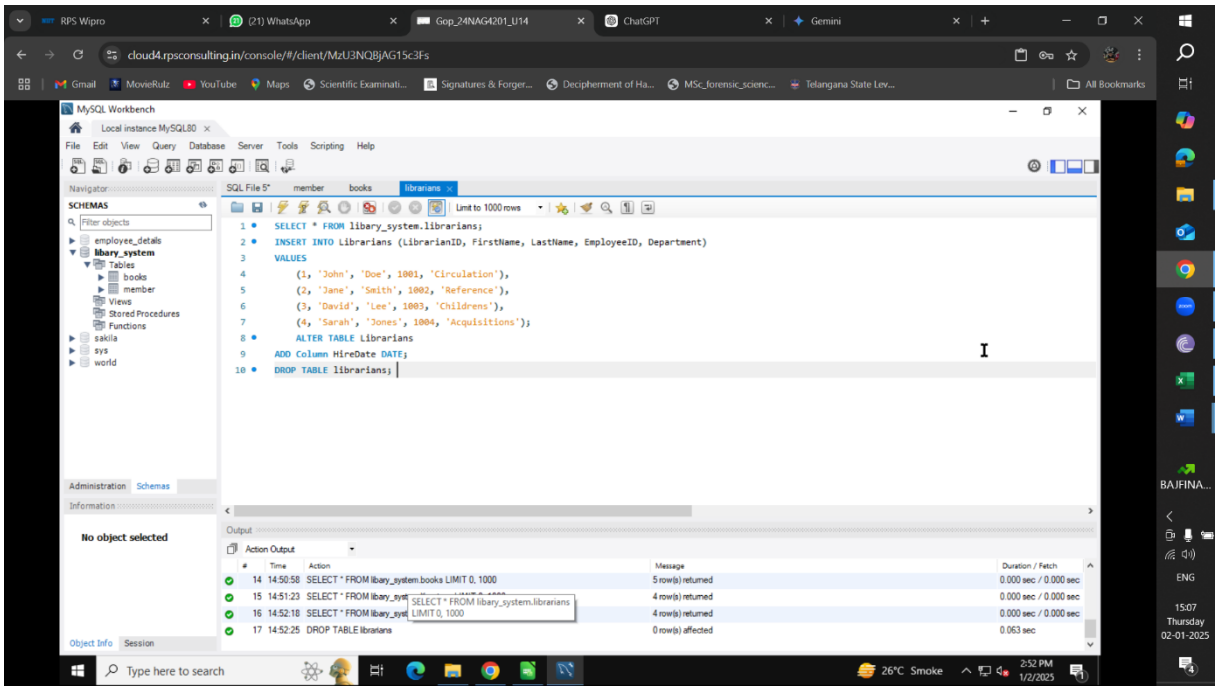
ChatGPT
Gemini
cloud4.rpsconsulting.in/console/#/client/MzU3NQBjAG15c3Fs
MySQL Workbench
START TRANSACTION;
SELECT * FROM Member WHERE MemberID = 1 FOR UPDATE;
UPDATE Member SET Name = 'Updated Name' WHERE MemberID = 1;
COMMIT;
ALTER TABLE Member
ADD Column MembershipType ENUM('Regular', 'Student', 'Staff') DEFAULT 'Regular';
No object selected
Type here to search
26°C Smoke
2:50 PM
1/2/2025


cloud4.rpsconsulting.in/console/#/client/MzU3NQBjAG15c3Fs
MySQL Workbench
Local instance MySQL80
SQL File 5*
member
books
librarians
SELECT * FROM libary_system.member;
INSERT INTO Member (Name, Email, PhoneNumber, Address, JoinDate)
VALUES
('John Doe', 'john.doe@example.com', '1234567890', '123 Main St', '2023-11-22'),
('Jane Smith', 'jane.smith@example.com', '9876543210', '456 Oak Ave', '2023-12-05'),
('David Lee', 'david.lee@example.com', '5551234567', '789 Pine Rd', '2023-11-15');
START TRANSACTION;
SELECT * FROM Member WHERE MemberID = 1 FOR UPDATE;
No object selected
Action Output
SELECT * FROM libary_system.books;
INSERT INTO Books (BookID, Title, Author, ISBN, Publisher, PublicationYear, Genre)
VALUES
(1, 'The Lord of the Rings', 'J.R.R. Tolkien', '9780547926538', 'HarperCollins', 1954, 'Fantasy'),
(2, 'To Kill a Mockingbird', 'Harper Lee', '9780061120084', 'HarperCollins', 1960, 'Southern Gothic'),
(3, '1984', 'George Orwell', '9780451524935', 'New American Library', 1949, 'Dystopian'),
(4, 'Pride and Prejudice', 'Jane Austen', '9780141439518', 'Penguin Classics', 1813, 'Romance'),
(5, 'The Alchemist', 'Paulo Coelho', '9780061803483', 'HarperCollins', 1988, 'Philosophical Fiction');
ALTER TABLE Books
ADD Column NumberOfCopies INT DEFAULT 1;
No object selected
Action Output
Type here to search
26°C Smoke
2:50 PM
1/2/2025
2:51 PM
1/2/2025


cloud4.rpsconsulting.in/console/#/client/MzU3NQBjAG15c3Fs
MySQL Workbench
Local instance MySQL80
SQL File 5*
member
books
librarians
SELECT * FROM libary_system.librarians;
INSERT INTO Librarians (LibrarianID, FirstName, LastName, EmployeeID, Department)
VALUES
(1, 'John', 'Doe', 1001, 'Circulation'),
(2, 'Jane', 'Smith', 1002, 'Reference'),
(3, 'David', 'Lee', 1003, 'Childrens'),
(4, 'Sarah', 'Jones', 1004, 'Acquisitions');
ALTER TABLE Librarians
ADD Column HireDate DATE;
No object selected
Action Output
12 12:41:40 desc librarians 5 row(s) returned 0.016 sec / 0.000 sec
13 14:50:17 SELECT * FROM libary_system.member LIMIT 0, 1000 3 row(s) returned 0.000 sec / 0.000 sec
14 14:50:58 SELECT * FROM libary_system.books LIMIT 0, 1000 5 row(s) returned 0.000 sec / 0.000 sec
15 14:51:23 SELECT * FROM libary_system.librarians LIMIT 0, 1000 4 row(s) returned 0.000 sec / 0.000 sec


cloud4.rpsconsulting.in/console/#/client/MzU3NQBjAG15c3Fs
MySQL Workbench
Local instance MySQL80
SQL File 5*
member
books
librarians
SELECT * FROM libary_system.librarians;
INSERT INTO Librarians (LibrarianID, FirstName, LastName, EmployeeID, Department)
VALUES
(1, 'John', 'Doe', 1001, 'Circulation'),
(2, 'Jane', 'Smith', 1002, 'Reference'),
(3, 'David', 'Lee', 1003, 'Childrens'),
(4, 'Sarah', 'Jones', 1004, 'Acquisitions');
ALTER TABLE Librarians
ADD Column HireDate DATE;
DROP TABLE librarians;
No object selected
Action Output
12 12:41:40 desc librarians 5 row(s) returned 0.016 sec / 0.000 sec
13 14:50:17 SELECT * FROM libary_system.member LIMIT 0, 1000 3 row(s) returned 0.000 sec / 0.000 sec
14 14:50:58 SELECT * FROM libary_system.books LIMIT 0, 1000 5 row(s) returned 0.000 sec / 0.000 sec
15 14:51:23 SELECT * FROM libary_system.librarians LIMIT 0, 1000 4 row(s) returned 0.000 sec / 0.000 sec



Members: Adds a new column MembershipType with an ENUM data type to categorize members (Regular, Student, Staff).
Books: Adds a new column NumberOfCopies to track the number of copies available for each book.
Librarians: Adds a new column HireDate to store the hire date of each librarian.
The DROP statement removes the Librarians table, assuming it is redundant and no longer needed.