

Sr, NO	SQL Query	Output																												
1	<p>Creating table for all the entity book , student, library</p> <pre>CREATE TABLE Library (Lib_ID INT, lib_name VARCHAR(50), qualification VARCHAR(50), contact_no INT(15));</pre> <p>CREATE TABLE Book (Book_ID INT, book_name VARCHAR(50), author VARCHAR(50), publisher VARCHAR(50),);</p> <p>CREATE TABLE Student (Student_ID INT, s_name VARCHAR(50), roll_no INT, Branch VARCHAR(50),);</p>	<div><p>Library</p><table><tr><th>Lib_ID</th><th>lib_name</th><th>qualification</th><th>contact_no</th></tr><tr><td colspan="4">empty</td></tr></table></div> <div><p>Book</p><table><tr><th>Book_ID</th><th>book_name</th><th>author</th><th>publisher</th><th></th></tr><tr><td colspan="5">empty</td></tr></table></div> <div><p>Student</p><table><tr><th>Student_ID</th><th>s_name</th><th>roll_no</th><th>Branch</th><th></th></tr><tr><td colspan="5">empty</td></tr></table></div>	Lib_ID	lib_name	qualification	contact_no	empty				Book_ID	book_name	author	publisher		empty					Student_ID	s_name	roll_no	Branch		empty				
Lib_ID	lib_name	qualification	contact_no																											
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1	<pre>-- Inserting data into tables INSERT INTO Library (Lib_ID, lib_name, qualification, contact_no) VALUES (1, 'Central Library', 'B.Tech', '9876543210'); INSERT INTO Student (Student_ID, s_name, roll_no, Branch) VALUES (1, 'Soham Harne', 31, 'ECE', NULL, 1); INSERT INTO Book (Book_ID, book_name, author, publisher) VALUES (101, 'Atomic Habits', 'James Clear', 'Pearson', 1, 1);</pre>	<div>Library</div> <table><tr><th>Lib_ID</th><th>lib_name</th><th>qualification</th><th>contact_no</th></tr><tr><td>1</td><td>Central Library</td><td>B.Tech</td><td>9876543210</td></tr></table> <div>Students</div> <table><tr><th>Student_ID</th><th>s_name</th><th>roll_no</th><th>Branch</th></tr><tr><td>1</td><td>Soham Harne</td><td>31</td><td>ECE</td></tr></table> <div>BookS</div> <table><tr><th>Book_ID</th><th>book_name</th><th>author</th><th>publisher</th></tr><tr><td>101</td><td>Atomic Habits</td><td>James Clear</td><td>Pearson</td></tr></table>	Lib_ID	lib_name	qualification	contact_no	1	Central Library	B.Tech	9876543210	Student_ID	s_name	roll_no	Branch	1	Soham Harne	31	ECE	Book_ID	book_name	author	publisher	101	Atomic Habits	James Clear	Pearson
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3	TO DISPLAY TABLE									
	SELECT * FROM Library;	<div><div>Output</div><table><tr><th>Student_ID</th><th>s_name</th><th>roll_no</th><th>Branch</th></tr><tr><td>1</td><td>Soham Harne</td><td>31</td><td>ECE</td></tr></table></div>	Student_ID	s_name	roll_no	Branch	1	Soham Harne	31	ECE
	Student_ID	s_name	roll_no	Branch						
	1	Soham Harne	31	ECE						
SELECT * FROM Book;	<div><div>Output</div><table><tr><th>Book_ID</th><th>book_name</th><th>author</th><th>publisher</th></tr><tr><td>101</td><td>Atomic Habits</td><td>James Clear</td><td>Pearson</td></tr></table></div>	Book_ID	book_name	author	publisher	101	Atomic Habits	James Clear	Pearson	
Book_ID	book_name	author	publisher							
101	Atomic Habits	James Clear	Pearson							
SELECT * FROM Student;	<div><div>Output</div><table><tr><th>Lib_ID</th><th>lib_name</th><th>qualification</th><th>contact_no</th></tr><tr><td>1</td><td>Central Library</td><td>B.Tech</td><td>9876543210</td></tr></table></div>	Lib_ID	lib_name	qualification	contact_no	1	Central Library	B.Tech	9876543210	
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1	Central Library	B.Tech	9876543210							

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4	<div>Update Data</div> <div>UPDATE Library SET qualification = 'M.Tech', contact_no = '9998887770' WHERE Lib_ID = 1;</div> <div>UPDATE Book SET book_name = 'The Power of Habit', author = 'Charles Duhigg' WHERE Book_ID = 101;</div> <div>UPDATE Student SET s_name = 'Soham H.', Branch = 'CSE' WHERE Student_ID = 1;</div>	<div>Library</div> <table><tr><th>Lib_ID</th><th>lib_name</th><th>qualification</th><th>contact_no</th></tr><tr><td>1</td><td>Central Library</td><td>M.Tech</td><td>9998887770</td></tr></table> <div>Books</div> <table><tr><th>Book_ID</th><th>book_name</th><th>author</th><th>publisher</th></tr><tr><td>101</td><td>The Power of Habit</td><td>Charles Duhigg</td><td>Pearson</td></tr></table> <div>Students</div> <table><tr><th>Student_ID</th><th>s_name</th><th>roll_no</th><th>Branch</th></tr><tr><td>1</td><td>Soham H.</td><td>31</td><td>CSE</td></tr></table>	Lib_ID	lib_name	qualification	contact_no	1	Central Library	M.Tech	9998887770	Book_ID	book_name	author	publisher	101	The Power of Habit	Charles Duhigg	Pearson	Student_ID	s_name	roll_no	Branch	1	Soham H.	31	CSE
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Student_ID	s_name	roll_no	Branch																							
1	Soham H.	31	CSE																							

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5Delete Data

DELETE
FROM Book
WHERE
Book_ID =
101;

DELETE
FROM
Student
WHERE
Student_ID
= 1;

DELETE
FROM
Library
WHERE
Lib_ID = 1;

Books

Book_ID	book_name	author	publisher
101	The Power of Habit	Charles Duhigg	Pearson

Students

Student_ID	s_name	roll_no	Branch
empty			

Library

Lib_ID	lib_name	qualification	contact_no
empty			