

Assignment No. 02 (Graded) Solution
Fall 2024
CS403- Database Management System

Sr. No.	SQL Query
1	DELETE FROM Borrowings WHERE ReturnDate < '2022-01-01';
2	INSERT INTO Books (BookID, Title, Author, Price, Stock) VALUES (B001, 'Database Systems', 'Salman', '1000', '20');
3	CREATE TABLE Members (MemberID INT PRIMARY KEY, Name VARCHAR(100), Email VARCHAR(100), JoinDate DATE);
4	UPDATE Members SET Email = 'new.email@example.com' WHERE MemberID = 'M006';
5	SELECT Title, Price FROM Books WHERE Category = 'Fiction' AND Price > 500;
6	INSERT INTO Books (BookID, Title, Author, Category, Price, Stock) VALUES ('B001', 'Database Systems', 'Salman', 'Technology', 1000, 20);
7	CREATE TABLE Members (MemberID VARCHAR(100), Name DATE, Email INT, JoinDate INT
8	DELETE FROM Borrowings WHERE ReturnDate < '2024-01-01';
9	CREATE TABLE Books (MemberID INT PRIMARY KEY, Name VARCHAR(100), Email VARCHAR(100), JoinDate DATE);
10	UPDATE Members SET Email = 'new.email@example.com' WHERE MemberID = 'M002';
11	DELETE FROM Borrowings WHERE IssueDate < '2024-01-01';
12	SELECT Title, Price FROM Books WHERE Category = 'Fiction' AND Price < 500;
13	INSERT INTO Authors (BookID, Title, Author, Category, Price, Stock) VALUES (B001, 'Database Systems', 'Salman', 'Technology', '1000', '20');
14	UPDATE Members EDIT Email = 'new.email@example.com' WHERE MemberID = 'M002';
15	SELECT Title, Price FROM Books WHERE Category = 'Technology' AND Price < 500;

Note: Do not write the complete SQL Query in 'SQL Command' Column in the above table. Only write the correct query's serial no. as written in the sample task.

Solution:

Task	Statement	SQL Command
Sample	Delete records from the Borrowings table where the ReturnDate is earlier than January 1, 2022	1
1	Create a table named Members with the schema described above, including primary key and any foreign key relationships if applicable.	3
2	Insert a new record into the Books table with the following details: BookID = 'B001', Title = 'Database Systems', Author = 'Salman ', Category = 'Technology', Price = 1000, Stock = 20.	6
3	Delete all records from the Borrowings table where the ReturnDate is earlier than January 1, 2024.	8
4	Update the Email of a member in the Members table with MemberID = 'M002' to 'new.email@example.com'.	10
5	Retrieve the Title and Price of all books in the Books table where the Category is 'Fiction' and the Price is less than 500.	12

THANK YOU

Waheedspeaks.com

WAHEED SPEAKS ACADEMY