

SQL Error Log File

#	Attempted Action	SQL Statement	Error Message	Cause	Resolution
1	Try deleting a member who has existing loans	<pre>DELETE FROM Members WHERE ID = 1;</pre>	The DELETE statement conflicted with the REFERENCE constraint...	Member is referenced in Loans table	Ensure cascading is set or delete dependent loans first
2	Try inserting a loan for a non-existent member	<pre>INSERT INTO Loans (MemberID, BookID, LoanDate, DueDate) VALUES (99, 1, '2024-05-01', '2024-05-15');</pre>	The INSERT statement conflicted with the FOREIGN KEY constraint...	Member ID does not exist	Use a valid MemberID from Members table
3	Try updating genre to invalid value	<pre>UPDATE Books SET Genre = 'Sci-Fi' WHERE ID = 1;</pre>	The UPDATE statement conflicted with the CHECK constraint...	Genre must be one of the allowed values	Use allowed values: 'Fiction', 'Non-fiction', etc.
4	Try inserting payment with zero amount	<pre>INSERT INTO Payments (LoanID, Amount, Method, PaymentDate) VALUES (1, 0, 'Cash', '2024-05-17');</pre>	The INSERT statement conflicted with the CHECK constraint...	Amount must be > 0	Use a valid positive amount