

Inserting New Records

Insert New Publishers

INSERT INTO Publishers (Name, Address, Phone, Email)

VALUES

**('Penguin Random House', '1745 Broadway, New York, NY 10019',
'212-782-9000', 'info@penguinrandomhouse.com'),**

**('HarperCollins', '195 Broadway, New York, NY 10007', '212-207-
7000', 'info@harpercollins.com');**

Insert New Authors

INSERT INTO Authors (FirstName, LastName, DateOfBirth)

VALUES

('George', 'Orwell', '1903-06-25'),

('J.K.', 'Rowling', '1965-07-31');

Insert New Books

**INSERT INTO Books (Title, PublisherID, ISBN, YearPublished, Genre,
CopiesAvailable)**

VALUES

('1984', 1, '9780451524935', 1949, 'Dystopian', 5),

**('Harry Potter and the Philosopher's Stone', 2, '9780747532699',
1997, 'Fantasy', 10);**

Insert New Members

**INSERT INTO Members (FirstName, LastName, Address, Phone,
Email, DateOfMembership, MembershipType)**

VALUES

**('Alice', 'Johnson', '123 Maple Street, Springfield, IL', '555-1234',
'alice.johnson@example.com', '2023-01-15', 'Regular'),**

**('Bob', 'Smith', '456 Oak Avenue, Springfield, IL', '555-5678',
'bob.smith@example.com', '2022-12-05', 'Premium');**

Insert New Loans

INSERT INTO Loans (BookID, MemberID, LoanDate, DueDate)
VALUES

(1, 1, '2024-05-01', '2024-05-15'),

(2, 2, '2024-05-10', '2024-05-24');

Updating Existing Records

Update Publisher's Phone Number

UPDATE Publishers

SET Phone = '212-207-7500'

WHERE Name = 'HarperCollins';

Update Member's Address

UPDATE Members

SET Address = '789 Birch Lane, Springfield, IL'

WHERE FirstName = 'Alice' AND LastName = 'Johnson';

Update Book's Copies Available

UPDATE Books

SET CopiesAvailable = 8

WHERE ISBN = '9780451524935';

Deleting Records

Delete a Book Based on ISBN

DELETE FROM Books

WHERE ISBN = '9780747532699';

Delete Members with Regular Membership Type and Joined Before 2023

DELETE FROM Members

WHERE MembershipType = 'Regular' AND DateOfMembership < '2023-01-01';

BULK INSERT Operation

To perform a BULK INSERT operation, you typically need a CSV file or similar external data source. Here is an example of how you might load data from a CSV file into the Books table using MySQL's LOAD DATA INFILE statement.

Assume you have a CSV file named books.csv with the following content:

Title,PublisherID,ISBN,YearPublished,Genre,CopiesAvailable

"The Catcher in the Rye",1,"9780316769488",1951,"Fiction",7

"To Kill a Mockingbird",2,"9780061120084",1960,"Fiction",4

BULK INSERT from CSV File

LOAD DATA INFILE '/path/to/books.csv'

INTO TABLE Books

FIELDS TERMINATED BY ','

ENCLOSED BY '"'

LINES TERMINATED BY '\n'

IGNORE 1 ROWS

(Title, PublisherID, ISBN, YearPublished, Genre, CopiesAvailable);