Task 2 : Data Insertion & Null Handling

1. **Insert Operation :**

Insert Into Author (FullName, Bio)

Values ('J.K. Rowling', 'British author, best known for Harry Potter.');

Insert Into Category (CategoryName)

Values ('Fantasy');

Insert Into Publisher (Name, Address, City, Country)

Values

('Penguin Books', '80 Strand', 'London', 'UK'),

('HarperCollins', '195 Broadway', 'New York', 'USA'),

('Macmillan Publishers', '120 Broadway', NULL, 'USA'),

('Oxford University Press', 'Great Clarendon Street', 'Oxford', 'UK');

Insert Into Book (ISBN, Title, PublisherID, CategoryID, PublicationYear, Edition)

Values ('9780747532743', 'Harry Potter and the Philosopher''s Stone', 1, 1, 1997, 'First');

Insert Into BookAuthor (BookISBN, AuthorID)

Values ('9780747532743', 1);

Insert Into LibraryBranch (BranchName, Address)

Values ('Central Library', '123 Main St');

Insert Into BookCopy (ISBN, BranchID, Status)

Values ('9780747532743', 1, 'Available');

Insert Into Member (FullName, Email, Phone, Address)

Values ('Alice Smith', 'alice@example.com', '1234567890', '456 Elm St');

1. **Handling Null using Default values :**

--MemberType And CreatedAt are set with defaulted values

Insert Into Member (FullName, Email, Phone, Address)

Values ('Bob Johnson', 'bob@example.com', '9876543210', '789 Oak Ave');

1. **Update Operation :**

Update BookCopy

Set Status = 'Borrowed'

where CopyID = 1;

1. **Delete Operation :**

Delete from Book where PublisherID = 1;

Delete from Publisher where PublisherID = 1;