**Name – Aaditya M. Patil**

**PRN – 12210643**

**Roll NO – 58**

**DBMS – Assignment 1**

**Script\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

-- Create the bookstore database

CREATE DATABASE IF NOT EXISTS Bookstore;

-- Use the database

USE Bookstore;

-- Create the Authors table

CREATE TABLE IF NOT EXISTS Authors (

    AuthorID INT AUTO\_INCREMENT PRIMARY KEY,

    AuthorName VARCHAR(100) NOT NULL,

    BirthYear INT,

    CONSTRAINT UC\_AuthorName UNIQUE (AuthorName)

);

-- Create the Publishers table

CREATE TABLE IF NOT EXISTS Publishers (

    PublisherID INT AUTO\_INCREMENT PRIMARY KEY,

    PublisherName VARCHAR(100) NOT NULL,

    CONSTRAINT UC\_PublisherName UNIQUE (PublisherName)

);

-- Create the Books table

CREATE TABLE IF NOT EXISTS Books (

    BookID INT AUTO\_INCREMENT PRIMARY KEY,

    Title VARCHAR(255) NOT NULL,

    AuthorID INT,

    PublisherID INT,

    PublishedYear INT,

    ISBN VARCHAR(20) NOT NULL,

    Price DECIMAL(10,2) NOT NULL,

    StockQuantity INT NOT NULL,

    FOREIGN KEY (AuthorID) REFERENCES Authors(AuthorID),

    FOREIGN KEY (PublisherID) REFERENCES Publishers(PublisherID),

    CONSTRAINT UC\_ISBN UNIQUE (ISBN)

);

-- Insert sample data into Authors table

INSERT INTO Authors (AuthorName, BirthYear) VALUES

    ('Stephen King', 1947),

    ('J.K. Rowling', 1965),

    ('Harper Lee', 1926),

    ('George Orwell', 1903),

    ('Ernest Hemingway', 1899);

-- Insert sample data into Publishers table

INSERT INTO Publishers (PublisherName) VALUES

    ('Penguin Random House'),

    ('HarperCollins'),

    ('Simon & Schuster'),

    ('Macmillan Publishers'),

    ('Hachette Livre');

-- Insert sample data into Books table

INSERT INTO Books (Title, AuthorID, PublisherID, PublishedYear, ISBN, Price, StockQuantity) VALUES

    ('The Shining', 1, 1, 1977, '9780307743657', 10.99, 100),

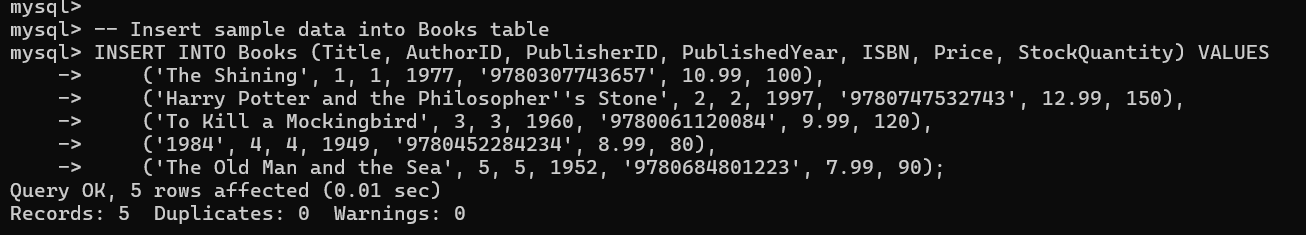
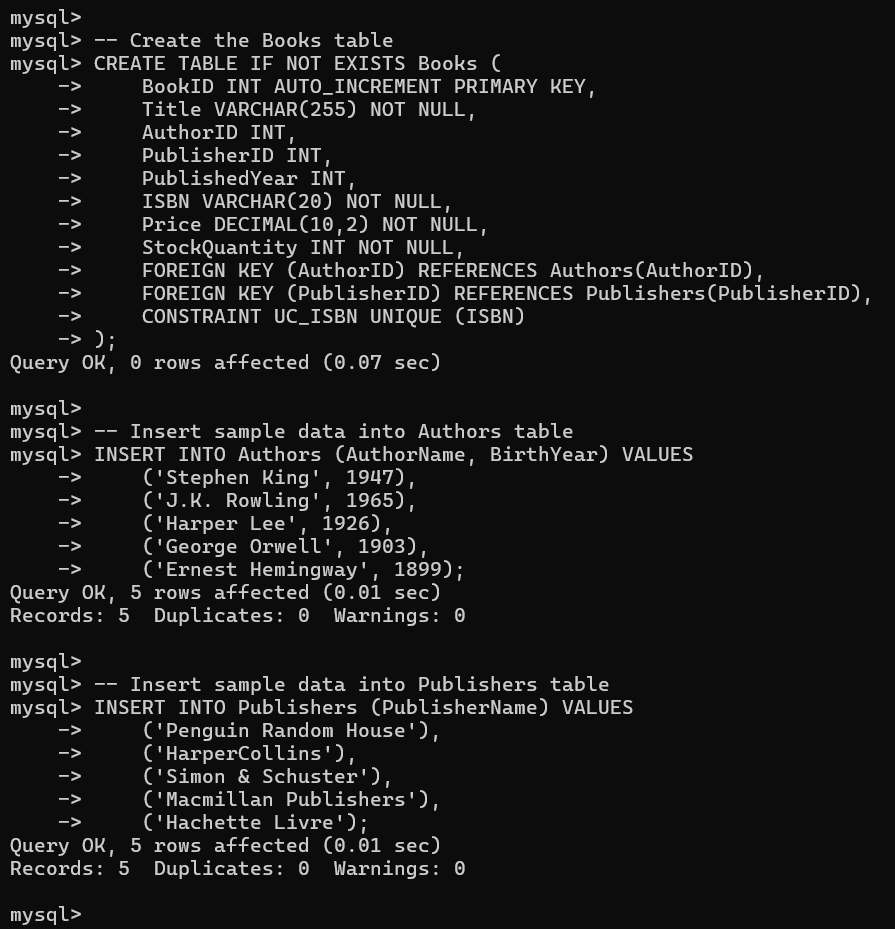
    ('Harry Potter and the Philosopher''s Stone', 2, 2, 1997, '9780747532743', 12.99, 150),

    ('To Kill a Mockingbird', 3, 3, 1960, '9780061120084', 9.99, 120),

    ('1984', 4, 4, 1949, '9780452284234', 8.99, 80),

    ('The Old Man and the Sea', 5, 5, 1952, '9780684801223', 7.99, 90);

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**Console Logs (Outputs):**