

These are the commands we used to create the tables in our bookstore database

- 1) Author Table - CREATE TABLE Author (
 Author_ID INT PRIMARY KEY AUTO_INCREMENT,
 Name VARCHAR(255) NOT NULL
);
- 2) Authordetails Table - Create TABLE AuthorDetails (
 Author_ID INT,
 Phone VARCHAR(20),
 EMAIL_ID VARCHAR (255),
 FOREIGN KEY(AUTHOR_ID) REFERENCES AUTHOR(AUTHOR_ID)
);
- 3) Admin Table - ADMIN_ID INT PRIMARY KEY AUTO_INCREMENT,
 NAME VARCHAR(50) NOT NULL,
 USERNAME VARCHAR(50) NOT NULL,
 PASSWORD VARCHAR(50) NOT NULL
);
- 4) Admin_details Table - CREATE TABLE ADMIN_DETAILS(
 ADMIN_ID INT,
 PHONE VARCHAR(50),
 EMAIL VARCHAR(50),
 FOREIGN KEY(ADMIN_ID) REFERENCES ADMIN(ADMIN_ID)
);
- 5) Inventory Table - CREATE TABLE Inventory (
 Admin_ID INT UNIQUE,
 Location VARCHAR(255),
 City VARCHAR(50),
 State VARCHAR(50),
 Pincode VARCHAR(8) NOT NULL,
 FOREIGN KEY (ADMIN_ID) REFERENCES ADMIN(ADMIN_ID)
);
- 6) Customer Table - CREATE TABLE Customer (
 Customer_ID BIGINT PRIMARY KEY AUTO_INCREMENT,
 Name VARCHAR(255) NOT NULL,
 Date_of_Birth DATE,
 Gender VARCHAR(10),
 Username VARCHAR(255) NOT NULL UNIQUE,
 Password VARCHAR(255) NOT NULL,
 Phone VARCHAR(20),
 Email_ID VARCHAR(255),
 LOCATION VARCHAR(255),
 CITY VARCHAR(50),
 STATE VARCHAR(50),

PINCODE VARCHAR(20) NOT NULL
);

7) Customer_details Table - CREATE TABLE CUSTOMER_DETAILS(
CUSTOMER_ID BIGINT,
PHONE VARCHAR(20),
EMAIL_ID VARCHAR(255),
FOREIGN KEY(CUSTOMER_ID) REFERENCES CUSTOMER(CUSTOMER_ID)
);

8) Publisher Table - CREATE TABLE Publisher (
Publisher_ID INT PRIMARY KEY AUTO_INCREMENT,
Name VARCHAR(255)
);

9) Publisher_Details Table - CREATE TABLE PUBLISHER_DETAILS (
PUBLISHER_ID INT,
PHONE VARCHAR(20),
EMAIL VARCHAR(255),
FOREIGN KEY(PUBLISHER_ID) REFERENCES PUBLISHER(PUBLISHER_ID)
)

10) Books Table - CREATE TABLE Books (
Book_ID INT PRIMARY KEY AUTO_INCREMENT,
Author_ID INT NOT NULL,
Publisher_ID INT NOT NULL,
Title VARCHAR(255) NOT NULL,
Genre VARCHAR(50) NOT NULL,
Synopsis VARCHAR(50),
Price DECIMAL(10, 2) NOT NULL
);

11) Inventory_Book_Details Table - Create table Inventory_book_details(
Admin_ID INT,
BOOK_ID INT NOT NULL,
QUANTITY INT NOT NULL,
FOREIGN KEY (ADMIN_ID) REFERENCES INVENTORY(ADMIN_ID),
FOREIGN KEY (BOOK_ID) REFERENCES BOOKS(BOOK_ID)
);

12) Cart Table - CREATE TABLE Cart (
Customer_ID BIGINT PRIMARY KEY,
Total_Cost DECIMAL(10, 2),
Book_ID INT NOT NULL,
Quantity INT NOT NULL,
FOREIGN KEY (CUSTOMER_ID) REFERENCES CUSTOMER(CUSTOMER_ID),
FOREIGN KEY (BOOK_ID) REFERENCES BOOKS(BOOK_ID)
);

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13) Orders Table - CREATE TABLE Orders(
    Order_ID int PRIMARY KEY AUTO_INCREMENT,
    Customer_ID BIGINT NOT NULL,
    Delivery_Status Varchar(20),
    Date_Ordered DATE,
    Date_Delivered DATE
);

14) Order_details Table - CREATE TABLE ORDER_DETAILS(
    ORDER_ID INT NOT NULL,
    BOOK_ID INT NOT NULL,
    QUANTITY INT NOT NULL,
    FOREIGN KEY (BOOK_ID) REFERENCES BOOKS(BOOK_ID)
);

15) Reviews Table - CREATE TABLE REVIEWS(
    REVIEW_ID INT PRIMARY KEY AUTO_INCREMENT,
    CUSTOMER_ID BIGINT NOT NULL,
    BOOK_ID INT NOT NULL,
    RATINGS INT CHECK(RATINGS BETWEEN 1 AND 5),
    REVIEWS TEXT,
    FOREIGN KEY (BOOK_ID) REFERENCES BOOKS(BOOK_ID)
);

```

Now following are the templates of the insert queries we used to add tuples in the tables

```

1) Author -> INSERT INTO Author (Name) VALUES ('[Author Name]');
               INSERT INTO Author (Name) VALUES ('John Doe');
               INSERT INTO Author (Name) VALUES ('Jane Smith');
               INSERT INTO Author (Name) VALUES ('Mark Johnson');
               INSERT INTO Author (Name) VALUES ('Emily Brown');

2) Author_details -> INSERT INTO AuthorDetails (Author_ID, Phone, EMAIL_ID) VALUES
([Author ID], '[Phone Number]', '[Email Address]');
               INSERT INTO AuthorDetails (Author_ID, Phone, EMAIL_ID) VALUES
(1, '123-456-7890', 'john.doe@example.com');
               INSERT INTO AuthorDetails (Author_ID, Phone, EMAIL_ID) VALUES
(2, '987-654-3210', 'jane.smith@example.com');
               INSERT INTO AuthorDetails (Author_ID, Phone, EMAIL_ID) VALUES
(3, '555-123-4567', 'mark.johnson@example.com');
               INSERT INTO AuthorDetails (Author_ID, Phone, EMAIL_ID) VALUES
(4, '777-888-9999', 'emily.brown@example.com');

```

3) Admin -> INSERT INTO Admin (Name, Username, Password) VALUES ('[Admin Name]', '[Username]', '[Password]');

INSERT INTO ADMIN (NAME, USERNAME, PASSWORD) VALUES ('Admin1', 'admin_user1', 'admin_password1');

INSERT INTO ADMIN (NAME, USERNAME, PASSWORD) VALUES ('Admin2', 'admin_user2', 'admin_password2');

INSERT INTO ADMIN (NAME, USERNAME, PASSWORD) VALUES ('Admin3', 'admin_user3', 'admin_password3');

INSERT INTO ADMIN (NAME, USERNAME, PASSWORD) VALUES ('Admin4', 'admin_user4', 'admin_password4');

4) Admin_details -> INSERT INTO Admin_Details (Admin_ID, Phone, Email) VALUES ([Admin ID], '[Phone Number]', '[Email]');

INSERT INTO ADMIN_DETAILS (ADMIN_ID, PHONE, EMAIL) VALUES (1, '111-222-3333', 'admin1@example.com');

INSERT INTO ADMIN_DETAILS (ADMIN_ID, PHONE, EMAIL) VALUES (2, '444-555-6666', 'admin2@example.com');

INSERT INTO ADMIN_DETAILS (ADMIN_ID, PHONE, EMAIL) VALUES (3, '777-888-9999', 'admin3@example.com');

INSERT INTO ADMIN_DETAILS (ADMIN_ID, PHONE, EMAIL) VALUES (4, '123-456-7890', 'admin4@example.com');

5) Inventory -> INSERT INTO Inventory (Admin_ID, Location, City, State, Pincode) VALUES ([Admin ID], '[Location]', '[City]', '[State]', '[Pincode]');

INSERT INTO Inventory (Admin_ID, Location, City, State, Pincode) VALUES (1, 'Main Street', 'Cityville', 'State1', '12345');

INSERT INTO Inventory (Admin_ID, Location, City, State, Pincode) VALUES (2, 'Broadway', 'Townsville', 'State2', '67890');

INSERT INTO Inventory (Admin_ID, Location, City, State, Pincode) VALUES (3, 'Highway Avenue', 'Villagetown', 'State3', '54321');

INSERT INTO Inventory (Admin_ID, Location, City, State, Pincode) VALUES (4, 'Downtown', 'Hamlettsville', 'State4', '98765');

6) Customer -> INSERT INTO Customer (Name, Date_of_Birth, Gender, Username, Password, Phone, Email_ID, Location, City, State, Pincode) VALUES ('[Customer Name]', '[Date of Birth]', '[Gender]', '[Username]', '[Password]', '[Phone Number]', '[Email Address]', '[Location]', '[City]', '[State]', '[Pincode]');

INSERT INTO Customer (Name, Date_of_Birth, Gender, Username, Password, Phone, Email_ID, LOCATION, CITY, STATE, PINCODE) VALUES ('Alice Johnson', '1990-05-15', 'Female', 'alice_user', 'alice_password', '555-123-4567', 'alice@example.com', 'Street1', 'City1', 'State1', '12345');

INSERT INTO Customer (Name, Date_of_Birth, Gender, Username, Password, Phone, Email_ID, LOCATION, CITY, STATE, PINCODE) VALUES ('Bob Smith', '1985-08-22', 'Male', 'bob_user', 'bob_password', '666-987-6543', 'bob@example.com', 'Street2', 'City2', 'State2', '67890');

INSERT INTO Customer (Name, Date_of_Birth, Gender, Username, Password, Phone, Email_ID, LOCATION, CITY, STATE, PINCODE) VALUES ('Charlie

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Brown', '1992-03-10', 'Male', 'charlie_user', 'charlie_password',  
'777-555-8888', 'charlie@example.com', 'Street3', 'City3', 'State3', '54321');  
INSERT INTO Customer (Name, Date_of_Birth, Gender, Username,  
Password, Phone, Email_ID, LOCATION, CITY, STATE, PINCODE) VALUES ('David Miller',  
'1988-11-28', 'Male', 'david_user', 'david_password', '999-444-1111',  
'david@example.com', 'Street4', 'City4', 'State4', '98765');
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7) Customer_details -> INSERT INTO Customer_Details (Customer_ID, Phone, Email_ID)  
VALUES ([Customer ID], '[Phone Number]', '[Email Address]');  
INSERT INTO CUSTOMER_DETAILS (CUSTOMER_ID, PHONE,  
EMAIL_ID) VALUES (1, '555-123-4567', 'alice@example.com');  
INSERT INTO CUSTOMER_DETAILS (CUSTOMER_ID, PHONE,  
EMAIL_ID) VALUES (2, '666-987-6543', 'bob@example.com');  
INSERT INTO CUSTOMER_DETAILS (CUSTOMER_ID, PHONE,  
EMAIL_ID) VALUES (3, '777-555-8888', 'charlie@example.com');  
INSERT INTO CUSTOMER_DETAILS (CUSTOMER_ID, PHONE,  
EMAIL_ID) VALUES (4, '999-444-1111', 'david@example.com');
```

```
8) Publisher -> INSERT INTO Publisher (Name) VALUES ('[Publisher Name]');  
INSERT INTO Publisher (Name) VALUES ('ABC Publishers');  
INSERT INTO Publisher (Name) VALUES ('XYZ Publications');  
INSERT INTO Publisher (Name) VALUES ('123 Books');  
INSERT INTO Publisher (Name) VALUES ('BestSellers Inc.');
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9) Publisher_details -> INSERT INTO Publisher_Details (Publisher_ID, Phone, Email)  
VALUES ([Publisher ID], '[Phone Number]', '[Email]');  
INSERT INTO PUBLISHER_DETAILS (PUBLISHER_ID,  
PHONE, EMAIL) VALUES (1, '111-222-3333', 'abc@example.com');  
INSERT INTO PUBLISHER_DETAILS (PUBLISHER_ID,  
PHONE, EMAIL) VALUES (2, '444-555-6666', 'xyz@example.com');  
INSERT INTO PUBLISHER_DETAILS (PUBLISHER_ID,  
PHONE, EMAIL) VALUES (3, '777-888-9999', '123books@example.com');  
INSERT INTO PUBLISHER_DETAILS (PUBLISHER_ID,  
PHONE, EMAIL) VALUES (4, '123-456-7890', 'bestsellers@example.com');
```

```
10) Books -> INSERT INTO Books (Author_ID, Publisher_ID, Title, Genre, Synopsis, Price)  
VALUES ([Author ID], [Publisher ID], '[Book Title]', '[Genre]', '[Synopsis]', [Price]);  
INSERT INTO Books (Author_ID, Publisher_ID, Title, Genre, Synopsis, Price)  
VALUES (1, 1, 'The Secret Garden', 'Fiction', 'A classic tale of a hidden garden', 19.99);  
INSERT INTO Books (Author_ID, Publisher_ID, Title, Genre, Synopsis, Price)  
VALUES (2, 2, 'The Science of Everything', 'Non-Fiction', 'Explore the wonders of science',  
29.99);  
INSERT INTO Books (Author_ID, Publisher_ID, Title, Genre, Synopsis, Price)  
VALUES (3, 3, 'Mystery at Midnight', 'Mystery', 'Solve the puzzle in the moonlight', 24.99);
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INSERT INTO Books (Author_ID, Publisher_ID, Title, Genre, Synopsis, Price)
VALUES (4, 4, 'The Art of Cooking', 'Cookbook', 'Delicious recipes for every chef', 39.99);
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11) Inventory_book_details -> INSERT INTO Inventory_book_details (Admin_ID, BOOK_ID,
QUANTITY) VALUES ([Admin ID], [Book ID], [Quantity]);
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INSERT INTO Inventory_book_details (Admin_ID, BOOK_ID,
QUANTITY) VALUES (1, 1, 50);
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INSERT INTO Inventory_book_details (Admin_ID, BOOK_ID,
QUANTITY) VALUES (2, 2, 30);
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INSERT INTO Inventory_book_details (Admin_ID, BOOK_ID,
QUANTITY) VALUES (3, 3, 40);
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```
INSERT INTO Inventory_book_details (Admin_ID, BOOK_ID,
QUANTITY) VALUES (4, 4, 20);
```

```
12) Cart -> INSERT INTO Cart (Customer_ID, Total_Cost, BOOK_ID, Quantity) VALUES
([Customer ID], [Total Cost], [Book ID], [Quantity]);
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INSERT INTO Cart (Customer_ID, Total_Cost, Book_ID, Quantity) VALUES
(1, 39.99, 1, 1);
```

```
INSERT INTO Cart (Customer_ID, Total_Cost, Book_ID, Quantity) VALUES
(2, 59.98, 2, 2);
```

```
INSERT INTO Cart (Customer_ID, Total_Cost, Book_ID, Quantity) VALUES
(3, 74.97, 3, 3);
```

```
INSERT INTO Cart (Customer_ID, Total_Cost, Book_ID, Quantity) VALUES
(4, 79.98, 4, 4);
```

```
13) Orders -> INSERT INTO Orders (Customer_ID, Delivery_Status, Date_Ordered)
VALUES ([Customer ID], '[Delivery Status]', '[Date Ordered]');
```

```
INSERT INTO Orders (Customer_ID, Delivery_Status, Date_Ordered,
Date_Delivered) VALUES (1, 'Delivered', '2024-02-01', '2024-02-10');
```

```
INSERT INTO Orders (Customer_ID, Delivery_Status, Date_Ordered,
Date_Delivered) VALUES (2, 'Processing', '2024-02-02', NULL);
```

```
INSERT INTO Orders (Customer_ID, Delivery_Status, Date_Ordered,
Date_Delivered) VALUES (3, 'Shipped', '2024-02-03', NULL);
```

```
INSERT INTO Orders (Customer_ID, Delivery_Status, Date_Ordered,
Date_Delivered) VALUES (4, 'Pending', '2024-02-04', NULL);
```

```
14) Order_details -> INSERT INTO Order_Details (Order_ID, BOOK_ID, QUANTITY)
VALUES (LAST_INSERT_ID(), [Book ID], [Quantity]);
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INSERT INTO ORDER_DETAILS (ORDER_ID, BOOK_ID,
QUANTITY) VALUES (1, 1, 1);
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```
INSERT INTO ORDER_DETAILS (ORDER_ID, BOOK_ID,
QUANTITY) VALUES (2, 2, 2);
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INSERT INTO ORDER_DETAILS (ORDER_ID, BOOK_ID,
QUANTITY) VALUES (3, 3, 3);
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INSERT INTO ORDER_DETAILS (ORDER_ID, BOOK_ID,  
QUANTITY) VALUES (4, 4, 4);
```

```
15) Reviews -> INSERT INTO REVIEWS (CUSTOMER_ID, BOOK_ID, RATINGS,  
REVIEWS) VALUES ([Customer ID], [Book ID], [Ratings], '[Review Text]');  
INSERT INTO REVIEWS (CUSTOMER_ID, BOOK_ID, RATINGS, REVIEWS)  
VALUES (1, 1, 5, 'Amazing book! Loved it.');
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INSERT INTO REVIEWS (CUSTOMER_ID, BOOK_ID, RATINGS, REVIEWS)  
VALUES (2, 2, 4, 'Very informative. Great read.');
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INSERT INTO REVIEWS (CUSTOMER_ID, BOOK_ID, RATINGS, REVIEWS)  
VALUES (3, 3, 3, 'Decent mystery, but expected more twists.');
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INSERT INTO REVIEWS (CUSTOMER_ID, BOOK_ID, RATINGS, REVIEWS)  
VALUES (4, 4, 5, 'Fantastic recipes. Must try!');
```

Contribution - All members contributed equally