Online Book Publishing and Sales Platfrom - Database Documentation

Database name : Books\_publishing\_system



Creating Tables:



**CREATE TABLE Publisher(**

**publisher\_id int primary key,**

**name varchar(250) not null,**

**contact\_details varchar(250)**

**);**

Creating a Publisher Table and the columns are publisher\_id data type Int (Primary key), name data type varchar, contact\_details data type varchar.



**CREATE TABLE Book(**

**book\_id int primary key,**

**title varchar(250) not null,**

**ISBL varchar(100) not null,**

**edition int not null,**

**publication\_year int,**

**price decimal(10, 2),**

**publisher\_id int,**

**foreign key (publisher\_id) references Publisher(publisher\_id) on delete cascade**

**);**

Creating a Book Table and the columns are book\_id data type Int (Primary key), title data type varchar, ISBL data type Int, edition data type Int, publication\_year data type Int, price data type decimal, publisher\_id data type Int (Foreign key).



**CREATE TABLE Genere(**

**genere\_id int primary key,**

**genere\_name varchar(250) not null**

**);**

Creating a Genere Table and the columns are genere\_id data type Int (Primary key), genere\_name data type varchar.



**CREATE TABLE Book\_genere(**

**book\_id int,**

**genere\_id int,**

**primary key(book\_id, genere\_id),**

**foreign key (book\_id) references Book(book\_id),**

**foreign key (genere\_id) references Genere(genere\_id)**

**);.**

Creating a Book\_genere Table and the columns are book\_id data type Int (Primary key and Foreign key), genere\_id data type int(Primary key).



**CREATE TABLE Author(**

**author\_id int primary key,**

**name varchar(250) not null,**

**biography text**

**);**

Creating a Author Table and the columns are author\_id data type Int (Primary key), name data type varchar, biography data type text.



**CREATE TABLE Book\_Author(**

**book\_id int,**

**author\_id int,**

**primary key (book\_id, author\_id),**

**foreign key (book\_id) references Book(book\_id),**

**foreign key (author\_id) references Author(author\_id)**

**);**

Creating a Book\_author Table and the columns are book\_id data type int (Primary key and Foreign key), author\_id data type Int (Primary key and Foreign key) and this is a Junction Table.



**CREATE TABLE Customer(**

**customer\_id int primary key,**

**name varchar(250) not null**

**);**

Creating a Customer Table and the columns are customer\_id data type int (Primary key), name data type varchar.



**CREATE TABLE Address(**

**address\_id int primary key,**

**customer\_id int,**

**street varchar(250),**

**city varchar(250),**

**state varchar(250),**

**country varchar(250),**

**foreign key (customer\_id) references Customer(customer\_id)**

**);**

Creating a Address Table and the columns are address\_id data type Int (Primary key), customer\_id data type int (Primary key and Foreign key), street data type varchar, city data type text, state data type varchar, country data type varchar.

**CREATE TABLE Wishlist(**

**customer\_id int,**

**book\_id int,**

**primary key (customer\_id, book\_id),**

**foreign key (customer\_id) references Customer(customer\_id),**

**foreign key (book\_id) references Book(book\_id)**

**);**

Creating a Wishlist Table and the columns are customer\_id data type Int (Primary key and Foreign key), book\_id data type int (Primary key and Foreign key).



**CREATE TABLE Orderr(**

**order\_id int primary key,**

**order\_date date not null,**

**customer\_id int,**

**payment\_details varchar(250),**

**shipping\_address\_id int,**

**foreign key (customer\_id) references Customer(customer\_id),**

**foreign key (shipping\_address\_id) references Address(address\_id)**

**);**

Creating a Orderr Table and the columns are order\_id data type Int (Primary key),order\_date data type date, customer\_id data type int (Primary key and Foreign key), payment\_details data type varchar, shipping\_address\_id data type int(Foreign key).

**CREATE TABLE Order\_book(**

**Orderitem\_id int primary key,**

**order\_id int,**

**book\_id int,**

**quantity int not null,**

**foreign key (order\_id) references Orderr(order\_id),**

**foreign key (book\_id) references Book(book\_id)**

**);**

Creating a Order\_book Table and the columns are orderitem\_id data type Int (Primary key),order\_id data type (Foreign key), book\_id data type int (Foreign key), quantity data type int.



Inserting data into Tables:

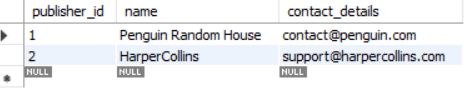


**INSERT INTO Publisher (publisher\_id, name, contact\_details)**

**VALUES**

**(1, 'Penguin Random House', 'contact@penguin.com'),**

**(2, 'HarperCollins', 'support@harpercollins.com');**

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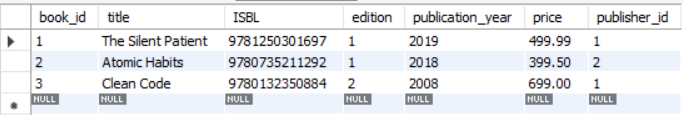
**INSERT INTO Book (book\_id, title, ISBL, edition, publication\_year, price, publisher\_id)**

**VALUES**

**(1, 'The Silent Patient', '9781250301697', 1, 2019, 499.99, 1),**

**(2, 'Atomic Habits', '9780735211292', 1, 2018, 399.50, 2),**

**(3, 'Clean Code', '9780132350884', 2, 2008, 699.00, 1);**

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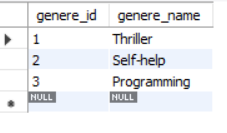
**INSERT INTO Genere (genere\_id, genere\_name)**

**VALUES**

**(1, 'Thriller'),**

**(2, 'Self-help'),**

**(3, 'Programming');**

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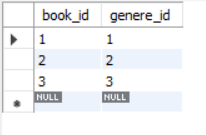
**INSERT INTO Book\_genere (book\_id, genere\_id)**

**VALUES**

**(1, 1), -- The Silent Patient -> Thriller**

**(2, 2), -- Atomic Habits -> Self-help**

**(3, 3); -- Clean Code -> Programming**

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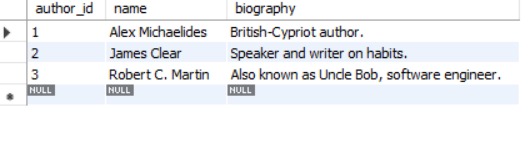
**INSERT INTO Author (author\_id, name, biography)**

**VALUES**

**(1, 'Alex Michaelides', 'British-Cypriot author.'),**

**(2, 'James Clear', 'Speaker and writer on habits.'),**

**(3, 'Robert C. Martin', 'Also known as Uncle Bob, software engineer.');**

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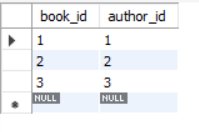
**INSERT INTO Book\_Author (book\_id, author\_id)**

**VALUES**

**(1, 1), -- The Silent Patient -> Alex**

**(2, 2), -- Atomic Habits -> James**

**(3, 3); -- Clean Code -> Robert**

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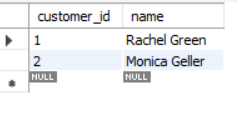


**INSERT INTO Customer (customer\_id, name)**

**VALUES**

**(1, 'Rachel Green'),**

**(2, 'Monica Geller');**

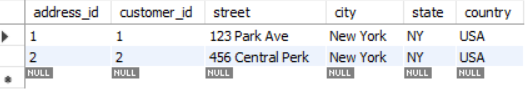
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**INSERT INTO Address (address\_id, customer\_id, street, city, state, country)**

**VALUES**

**(1, 1, '123 Park Ave', 'New York', 'NY', 'USA'),**

**(2, 2, '456 Central Perk', 'New York', 'NY', 'USA');**

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**INSERT INTO Wishlist (customer\_id, book\_id)**

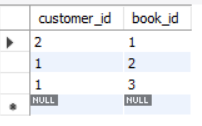
**VALUES**

**(1, 2), -- Rachel -> Atomic Habits**

**(1, 3), -- Rachel -> Clean Code**

**(2, 1); -- Monica -> The Silent Patient**

**(3, 'Clean Code', '9780132350884', 2, 2008, 699.00, 1);**

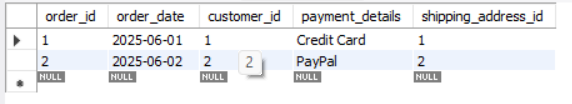
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**INSERT INTO Orderr (order\_id, order\_date, customer\_id, payment\_details, shipping\_address\_id)**

**VALUES**

**(1, '2025-06-01', 1, 'Credit Card', 1),**

**(2, '2025-06-02', 2, 'PayPal', 2);**

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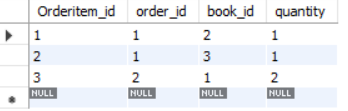
**INSERT INTO Order\_book (Orderitem\_id, order\_id, book\_id, quantity)**

**VALUES**

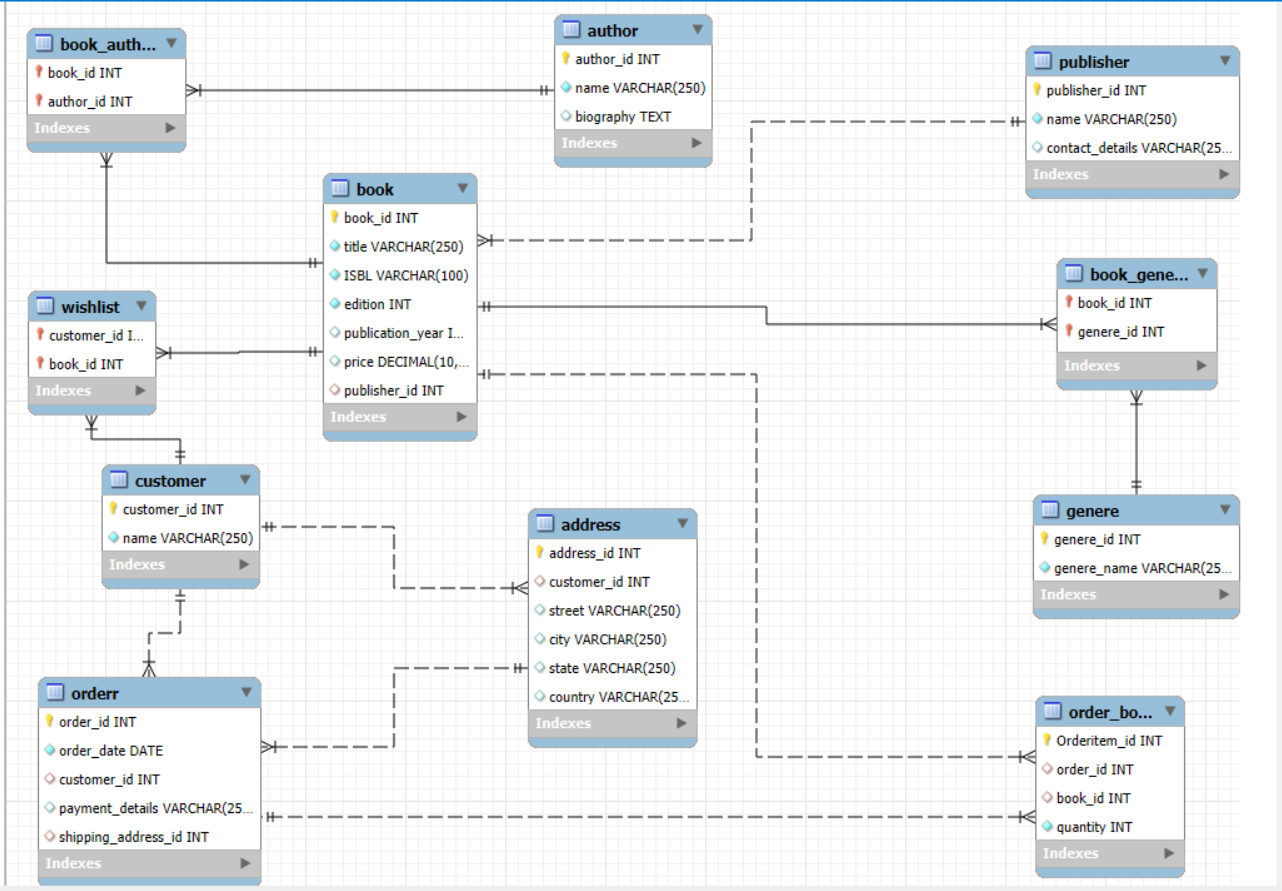
**(1, 1, 2, 1), -- Rachel ordered Atomic Habits**

**(2, 1, 3, 1), -- Rachel also ordered Clean Code**

**(3, 2, 1, 2); -- Monica ordered 2 copies of The Silent Patient**

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**ER Diagram:**

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