
Online Book Publishing and Sales Platfrom - Database0 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');

```

	publisher_id	name	contact_details
▶	1	Penguin Random House	contact@penguin.com
	2	HarperCollins	support@harpercollins.com
•	NULL	NULL	NULL

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);

	book_id	title	ISBL	edition	publication_year	price	publisher_id
▶	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
•	NULL	NULL	NULL	NULL	NULL	NULL	NULL

INSERT INTO Genre (genre_id, genre_name)

VALUES

(1, 'Thriller'),

(2, 'Self-help'),

(3, 'Programming');

	genre_id	genre_name
▶	1	Thriller
	2	Self-help
	3	Programming
•	NULL	NULL

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

	book_id	genere_id
▶	1	1
	2	2
	3	3
•	NULL	NULL

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.');

	author_id	name	biography
▶	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.
•	NULL	NULL	NULL

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

	book_id	author_id
▶	1	1
	2	2
	3	3
•	NULL	NULL

INSERT INTO Customer (customer_id, name)

VALUES

(1, 'Rachel Green'),

(2, 'Monica Geller');

	customer_id	name
▶	1	Rachel Green
	2	Monica Geller
•	NULL	NULL

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');

	address_id	customer_id	street	city	state	country
▶	1	1	123 Park Ave	New York	NY	USA
	2	2	456 Central Perk	New York	NY	USA
•	NULL	NULL	NULL	NULL	NULL	NULL

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);

	customer_id	book_id
▶	2	1
	1	2
	1	3
•	NULL	NULL

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);

	order_id	order_date	customer_id	payment_details	shipping_address_id
▶	1	2025-06-01	1	Credit Card	1
	2	2025-06-02	2	PayPal	2
•	NULL	NULL	NULL	NULL	NULL

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

	Orderitem_id	order_id	book_id	quantity
▶	1	1	2	1
	2	1	3	1
	3	2	1	2
•	NULL	NULL	NULL	NULL

ER Diagram:

