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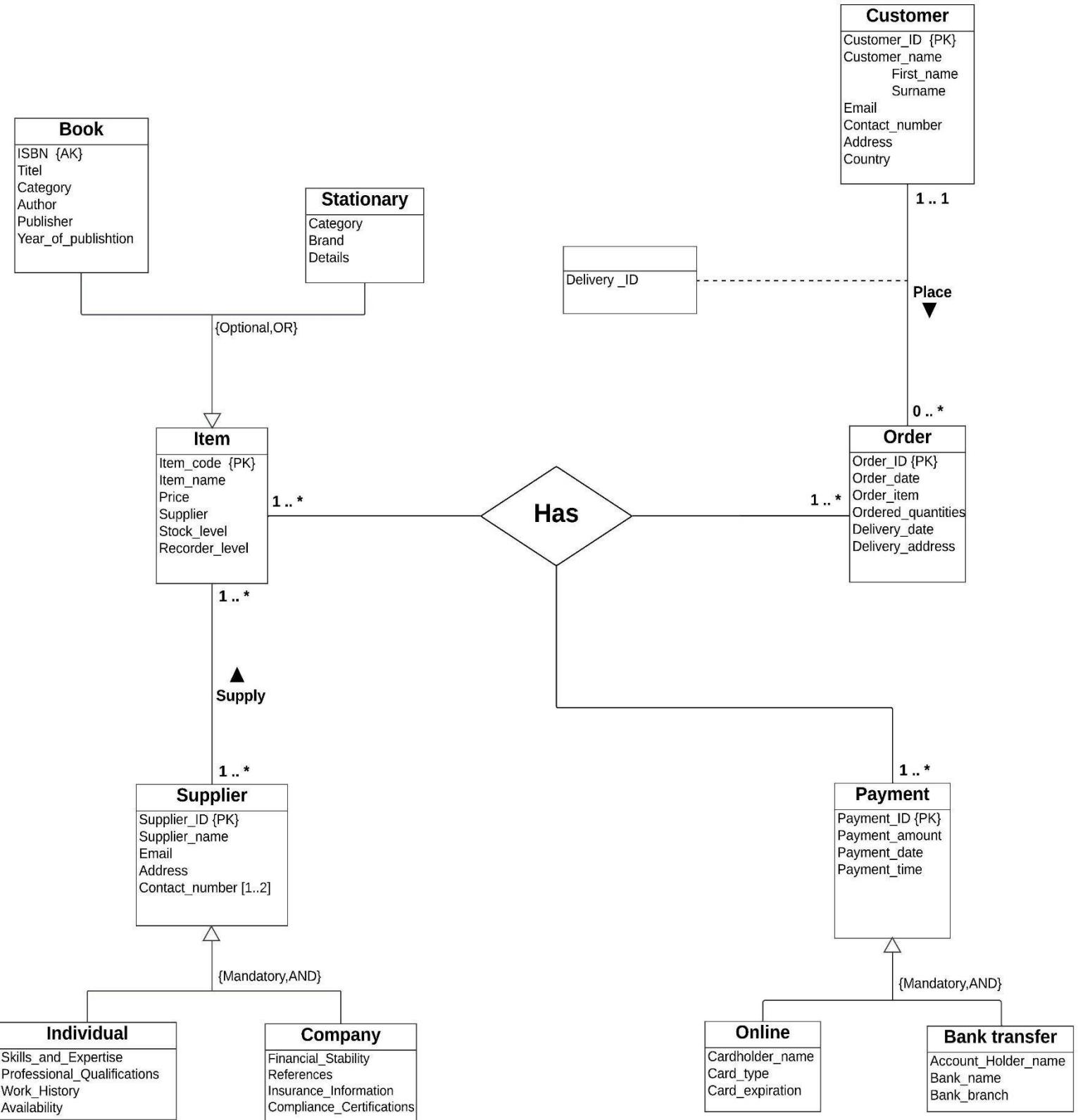
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Section 1: Extended Entity Relationship Diagram (EERD)



Extended Entity Relationship Diagram (EERD) Assumptions

Online and bank transfer are the only payment methods that the customer can use when placing an order and one customer can use these two payment methods to place orders.

This bookstore has no suppliers other than individuals and companies and these suppliers may supply the same items separately.

This bookstore has many items other than stationery and books, for example school bags, lunch boxes, table lamps, etc. and books and items are two different categories of items. And an item can be stationery, a book or something else.

Suppliers associated with this bookstore are required to supply at least one item or multiple items and an item can have at least one supplier or many.

A customer associated with this bookstore cannot place an order and can place multiple orders.

There can only be one customer per order received by the bookstore.

When a customer places an order correctly, they can receive the delivery id.

The order must have at least one item and can have multiple items .

An order received by a customer after payment may or may not contain certain items.

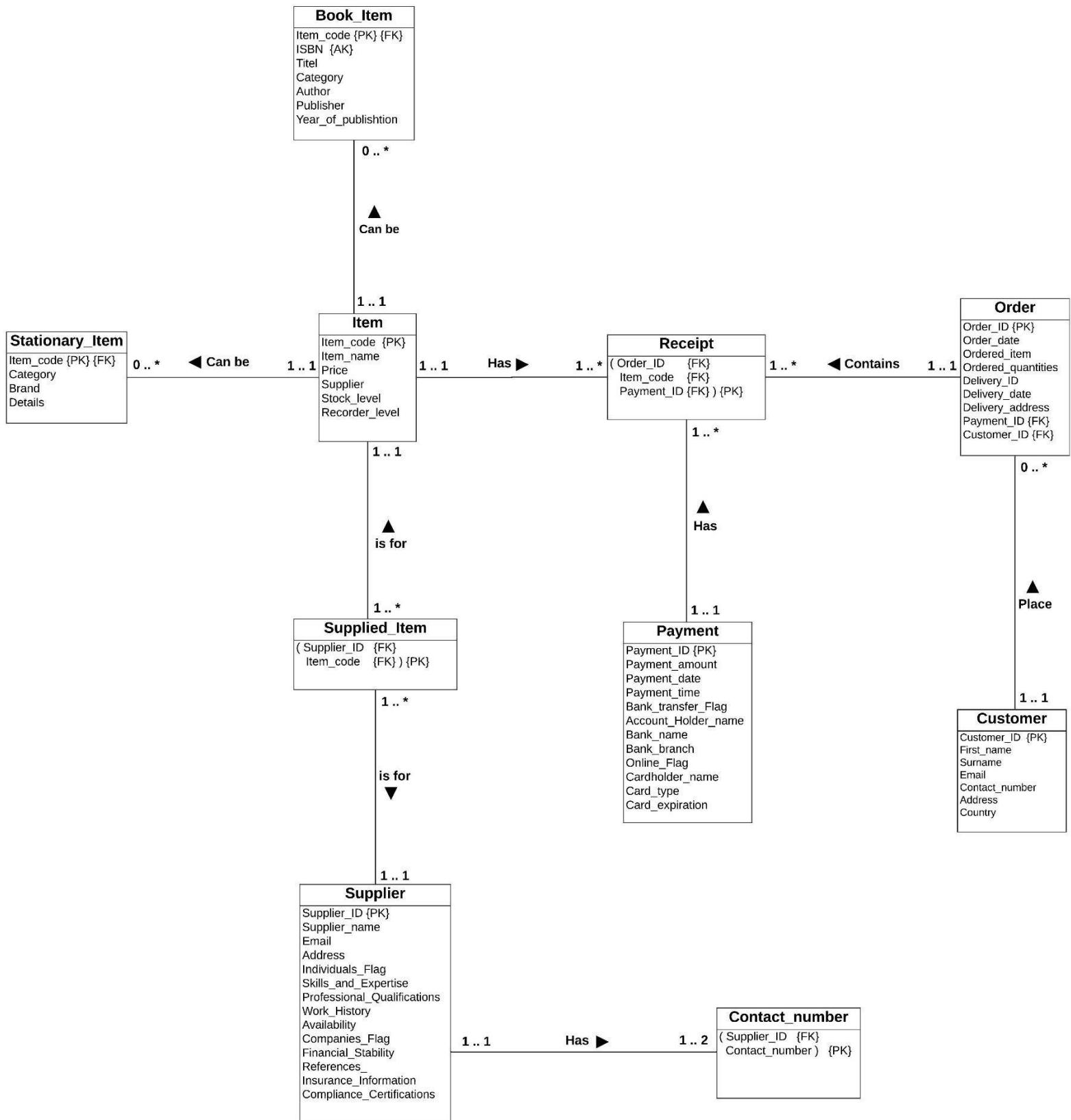
An order placed by a consumer must have at least one payment and can have multiple payments and a payment must have one order or many orders.

A supplier must have a minimum of one contact number and a maximum of two contact numbers.

When a customer places an order correctly, he can get a delivery id.

All orders placed by the customer must include an item or items and payment.

Section 2: Relational Schema Diagram



Relational Schema Diagram Assumptions

An item can be a book, or many books and item can be a stationary and many stationary. In addition, there may be other equipment for items like school bags, lunch boxes etc.

When a supplier supplies items, the item supplied by the supplier is recorded as a Supplied item.

When a customer pays and places an order, The item number, payment number and his order number are recorded as a receipt. This way the customer can know all the details of the order made.

A provider must have a minimum of one contact number and a maximum of two contact numbers and only one provider per phone number.

Section 3: Table Creation

Database creation

Code

```
CREATE DATABASE `BookHaven` ;
```

```
1 CREATE DATABASE `BookHaven` ;  
2
```

Table creations

Customer table creation

Code

```
CREATE TABLE `Customer`
```

```
(Customer_ID      INTEGER(10),  
First_name        VARCHAR(30)  NOT NULL,  
Surname          VARCHAR(30)  NOT NULL,  
Email             VARCHAR(50)  UNIQUE NOT NULL,  
Contact_number    CHAR(10)     UNIQUE NOT NULL,  
Address           VARCHAR(50)  NOT NULL,  
CONSTRAINT b_cid_pk PRIMARY KEY (Customer_ID)  
);
```

```

1 CREATE TABLE `Customer`  

2  

3   (Customer_ID      INTEGER(10),  

4    First_name       VARCHAR(30)    NOT NULL,  

5    Surname          VARCHAR(30)    NOT NULL,  

6    Email            VARCHAR(50)    UNIQUE NOT NULL,  

7    Contact_number   CHAR(10)      UNIQUE NOT NULL,  

8    Address          VARCHAR(50)    NOT NULL,  

9    CONSTRAINT b_cid_pk PRIMARY KEY (Customer_ID)  

10  

11 );

```

Output

| # | Name | Type | Collation | Attributes | Null | Default | Comments | Extra | Action |
|--------------------------|--|-------------|--------------------|------------|------|---------|----------|--|--------|
| <input type="checkbox"/> | 1 Customer_ID  | int(10) | | | No | None | |  Change  Drop More | |
| <input type="checkbox"/> | 2 First_name | varchar(30) | utf8mb4_general_ci | | No | None | |  Change  Drop More | |
| <input type="checkbox"/> | 3 Surname | varchar(30) | utf8mb4_general_ci | | No | None | |  Change  Drop More | |
| <input type="checkbox"/> | 4 Email  | varchar(50) | utf8mb4_general_ci | | No | None | |  Change  Drop More | |
| <input type="checkbox"/> | 5 Contact_number  | char(10) | utf8mb4_general_ci | | No | None | |  Change  Drop More | |
| <input type="checkbox"/> | 6 Address | varchar(50) | utf8mb4_general_ci | | No | None | |  Change  Drop More | |

Check all With selected:  Change  Drop  Primary  Unique  Index  Spatial  Fulltext

Order table creation

Code

```
CREATE TABLE `Order`
```

```
(Order_ID      VARCHAR(10),
 Order_date    DATE        NOT NULL,
 Ordered_item   VARCHAR(50)  NOT NULL, Ordered_quantities
INTEGER(10)    NOT NULL,
Delivery_ID    INTEGER(10) NOT NULL,
Delivery_date  DATE        NOT NULL,
Delivery_address VARCHAR(50) NOT NULL,
Customer_ID    INTEGER(10),
CONSTRAINT o_oid_pk PRIMARY KEY (Order_ID),
CONSTRAINT o_cid_fk FOREIGN KEY (Customer_ID) REFERENCES customer(Customer_ID)

);
```

```
1 CREATE TABLE `Order`  
2  
3 (Order_ID      VARCHAR(10),  
4 Order_date    DATE        NOT NULL,  
5 Ordered_item   VARCHAR(50)  NOT NULL,  
6 Ordered_quantities INTEGER(10) NOT NULL,  
7 Delivery_ID    INTEGER(10) NOT NULL,  
8 Delivery_date  DATE        NOT NULL,  
9 Delivery_address VARCHAR(50) NOT NULL,  
10 Customer_ID    INTEGER(10),  
11 CONSTRAINT o_oid_pk PRIMARY KEY (Order_ID),  
12 CONSTRAINT o_cid_fk FOREIGN KEY (Customer_ID) REFERENCES customer(Customer_ID)  
13  
14 );  
15
```

Output

| # | Name | Type | Collation | Attributes | Null | Default | Comments | Extra | Action |
|--------------------------|---|-------------|--------------------|------------|------|---------|----------|--|--------|
| <input type="checkbox"/> | 1 Order_ID  | varchar(10) | utf8mb4_general_ci | | No | None | |  Change  Drop More | |
| <input type="checkbox"/> | 2 Order_date | date | | | No | None | |  Change  Drop More | |
| <input type="checkbox"/> | 3 Ordered_item | varchar(50) | utf8mb4_general_ci | | No | None | |  Change  Drop More | |
| <input type="checkbox"/> | 4 Ordered_quantities | int(10) | | | No | None | |  Change  Drop More | |
| <input type="checkbox"/> | 5 Delivery_ID | int(10) | | | No | None | |  Change  Drop More | |
| <input type="checkbox"/> | 6 Delivery_date | date | | | No | None | |  Change  Drop More | |
| <input type="checkbox"/> | 7 Delivery_address | varchar(50) | utf8mb4_general_ci | | No | None | |  Change  Drop More | |
| <input type="checkbox"/> | 8 Customer_ID  | int(10) | | | Yes | NULL | |  Change  Drop More | |

 Check all With selected:  Browse  Change  Drop  Primary  Unique  Index  Spatial  Fulltext

Payment table creation

Code

```
CREATE TABLE `Payment`
```

```
(Payment_ID          VARCHAR(20),  
Payment_amount      DECIMAL(10,2) NOT NULL,  
Payment_date        DATE        NOT NULL,  
Payment_time        TIME,  
Bank_transfer_Flag VARCHAR(10),  
Account_Holder_name VARCHAR(50),  
Bank_name           VARCHAR(50),  
Bank_branch         VARCHAR(20),  
Online_Flag         VARCHAR(10),  
Cardholder_name     VARCHAR(50),  
Card_type           VARCHAR(20),  
Card_expiration    DATE,  
CONSTRAINT p_pid_pk PRIMARY KEY (Payment_ID)
```

```
);
```

```

1 CREATE TABLE `Payment`
2
3 (Payment_ID           VARCHAR(20),
4 Payment_amount        DECIMAL(10,2) NOT NULL,
5 Payment_date          DATE        NOT NULL,
6 Payment_time          TIME,
7 Bank_transfer_Flag    VARCHAR(10),
8 Account_Holder_name  VARCHAR(50),
9 Bank_name              VARCHAR(50),
10 Bank_branch            VARCHAR(20),
11 Online_Flag            VARCHAR(10),
12 Cardholder_name       VARCHAR(50),
13 Card_type              VARCHAR(20),
14 Card_expiration        DATE,
15 CONSTRAINT p_pid_pk PRIMARY KEY (Payment_ID)
16
17 );
18
19

```

Output

| # | Name | Type | Collation | Attributes | Null | Default | Comments | Extra | Action |
|--------------------------|--|---------------|--------------------|------------|------|---------|----------|--|--------|
| <input type="checkbox"/> | 1 Payment_ID  | int(20) | | | No | None | |  Change  Drop More | |
| <input type="checkbox"/> | 2 Payment_amount | decimal(10,2) | | | No | None | |  Change  Drop More | |
| <input type="checkbox"/> | 3 Payment_date | date | | | No | None | |  Change  Drop More | |
| <input type="checkbox"/> | 4 Payment_time | time | | | Yes | NULL | |  Change  Drop More | |
| <input type="checkbox"/> | 5 Bank_transfer_Flag | varchar(10) | utf8mb4_general_ci | | Yes | NULL | |  Change  Drop More | |
| <input type="checkbox"/> | 6 Account_Holder_name | varchar(50) | utf8mb4_general_ci | | Yes | NULL | |  Change  Drop More | |
| <input type="checkbox"/> | 7 Bank_name | varchar(50) | utf8mb4_general_ci | | Yes | NULL | |  Change  Drop More | |
| <input type="checkbox"/> | 8 Bank_branch | varchar(20) | utf8mb4_general_ci | | Yes | NULL | |  Change  Drop More | |
| <input type="checkbox"/> | 9 Online_Flag | varchar(10) | utf8mb4_general_ci | | Yes | NULL | |  Change  Drop More | |
| <input type="checkbox"/> | 10 Cardholder_name | varchar(50) | utf8mb4_general_ci | | Yes | NULL | |  Change  Drop More | |
| <input type="checkbox"/> | 11 Card_type | varchar(20) | utf8mb4_general_ci | | Yes | NULL | |  Change  Drop More | |
| <input type="checkbox"/> | 12 Card_expiration | date | | | Yes | NULL | |  Change  Drop More | |

Check all With selected:  Change  Drop  Primary  Unique  Index  Spatial  Fulltext

Item table creation

Code

```
CREATE TABLE `Item`  
  
    (Item_code      VARCHAR(10),  
     Item_name      VARCHAR(30) NOT NULL,  
     Price          DECIMAL(7,2) NOT NULL,  
     Supplier       VARCHAR(30) NOT NULL,  
     Stock_level    VARCHAR(10),  
     Recorder_level VARCHAR(10),  
     CONSTRAINT i_icd_pk PRIMARY KEY (Item_code)  
  
);
```

```
1 CREATE TABLE `Item`  
2  
3     (Item_code      VARCHAR(10),  
4      Item_name      VARCHAR(30) NOT NULL,  
5      Price          DECIMAL(7,2) NOT NULL,  
6      Supplier       VARCHAR(30) NOT NULL,  
7      Stock_level    VARCHAR(10),  
8      Recorder_level VARCHAR(10),  
9      CONSTRAINT i_icd_pk PRIMARY KEY (Item_code)  
10  
11 );  
12
```

Output

| # | Name | Type | Collation | Attributes | Null | Default | Comments | Extra | Action |
|---|----------------|--------------|--------------------|------------|------|---------|----------|-------|-------------------|
| 1 | Item_code | varchar(10) | utf8mb4_general_ci | | No | None | | | Change Drop More |
| 2 | Item_name | varchar(30) | utf8mb4_general_ci | | No | None | | | Change Drop More |
| 3 | Price | decimal(7,2) | | | No | None | | | Change Drop More |
| 4 | Supplier | varchar(30) | utf8mb4_general_ci | | No | None | | | Change Drop More |
| 5 | Stock_level | varchar(10) | utf8mb4_general_ci | | Yes | NULL | | | Change Drop More |
| 6 | Recorder_level | varchar(10) | utf8mb4_general_ci | | Yes | NULL | | | Change Drop More |

Check all With selected: Change Drop Primary Unique Index Spatial Fulltext

Book_item table creation

Code

```
CREATE TABLE `Book_item`  
  
(Item_code      VARCHAR(10),  
ISBN          CHAR(13)        UNIQUE NOT NULL,  
Titel         VARCHAR(50)     NOT NULL,  
Category       VARCHAR(50)     NOT NULL,  
Author         VARCHAR(40) ,  
Publisher      VARCHAR(40) ,  
Year_of_publishtion INTEGER(4),  
CONSTRAINT bi_icd_pk PRIMARY KEY (Item_code),  
CONSTRAINT bi_icd_fk FOREIGN KEY (Item_code) REFERENCES item(Item_code)  
);
```

```

1 CREATE TABLE `Book_item`  

2  

3     (Item_code      VARCHAR(10),  

4      ISBN          CHAR(13)        UNIQUE NOT NULL,  

5      Titel         VARCHAR(50)     NOT NULL,  

6      Category      VARCHAR(50)     NOT NULL,  

7      Author        VARCHAR(40) ,  

8      Publisher     VARCHAR(40) ,  

9      Year_of_publishtion  INTEGER(4),  

10     CONSTRAINT bi_icd_pk PRIMARY KEY (Item_code),  

11     CONSTRAINT bi_icd_fk FOREIGN KEY (Item_code)    REFERENCES item(Item_code)  

12  

13 );  

14

```

Output

| # | Name | Type | Collation | Attributes | Null | Default | Comments | Extra | Action |
|--------------------------|---|-------------|--------------------|------------|------|---------|----------|--|---|
| <input type="checkbox"/> | 1 Item_code  | varchar(10) | utf8mb4_general_ci | | No | None | |  Change |  Drop More |
| <input type="checkbox"/> | 2 ISBN  | char(13) | utf8mb4_general_ci | | No | None | |  Change |  Drop More |
| <input type="checkbox"/> | 3 Titel | varchar(50) | utf8mb4_general_ci | | No | None | |  Change |  Drop More |
| <input type="checkbox"/> | 4 Category | varchar(50) | utf8mb4_general_ci | | No | None | |  Change |  Drop More |
| <input type="checkbox"/> | 5 Author | varchar(40) | utf8mb4_general_ci | | Yes | NULL | |  Change |  Drop More |
| <input type="checkbox"/> | 6 Publisher | varchar(40) | utf8mb4_general_ci | | Yes | NULL | |  Change |  Drop More |
| <input type="checkbox"/> | 7 Year_of_publishtion | int(4) | | | Yes | NULL | |  Change |  Drop More |

Check all With selected:  Change  Drop  Primary  Unique  Index  Spatial  Fulltext

Stationary_item table creation

Code

```
CREATE TABLE `Stationary_Item`  
  
    (Item_code      VARCHAR(10),  
     Category       VARCHAR(20) NOT NULL,  
     Brand          VARCHAR(20),  
     Details         VARCHAR(50),  
     CONSTRAINT s_icd_pk PRIMARY KEY (Item_code),  
     CONSTRAINT s_icd_fk FOREIGN KEY (Item_code) REFERENCES item(item_code)  
  
);
```

```
1 CREATE TABLE `Stationary_Item`  
2  
3     (Item_code      VARCHAR(10),  
4      Category       VARCHAR(20) NOT NULL,  
5      Brand          VARCHAR(20),  
6      Details         VARCHAR(50),  
7      CONSTRAINT s_icd_pk PRIMARY KEY (Item_code),  
8      CONSTRAINT s_icd_fk FOREIGN KEY (Item_code) REFERENCES item(item_code)  
9  
10 );  
11
```

Output

| # | Name | Type | Collation | Attributes | Null | Default | Comments | Extra | Action | |
|--------------------------|--------------------|-------------|--------------------|------------|------|---------|----------|--------|--------|------|
| <input type="checkbox"/> | 1 Item_code | varchar(10) | utf8mb4_general_ci | | No | None | | Change | Drop | More |
| <input type="checkbox"/> | 2 Category | varchar(20) | utf8mb4_general_ci | | No | None | | Change | Drop | More |
| <input type="checkbox"/> | 3 Brand | varchar(20) | utf8mb4_general_ci | | Yes | NULL | | Change | Drop | More |
| <input type="checkbox"/> | 4 Details | varchar(50) | utf8mb4_general_ci | | Yes | NULL | | Change | Drop | More |

Check all With selected: Change Drop Primary Unique Index Spatial Fulltext

Supplier table creation

Code

```
CREATE TABLE `Supplier`
```

```
(Supplier_ID           VARCHAR(10),
Supplier_name         VARCHAR(30)  NOT NULL,
Email                 VARCHAR(50)  UNIQUE NOT NULL,
Address               VARCHAR(50)  NOT NULL,
Individuals_Flag      VARCHAR(10),
Skills_and_Expertise  VARCHAR(100),
Professional_Qualifications  VARCHAR(100),
Work_History          VARCHAR(100),
Availability           VARCHAR(100),
Companies_Flag        VARCHAR(10),
Financial_Stability   VARCHAR(100),
References_            VARCHAR(100),
Insurance_Information VARCHAR(100),
Compliance_Certifications  VARCHAR(100),
CONSTRAINT s_sid_pk PRIMARY KEY (Supplier_ID)

);
```

```

1 CREATE TABLE `Supplier`
2
3   (Supplier_ID           VARCHAR(10),
4    Supplier_name        VARCHAR(30)  NOT NULL,
5    Email                VARCHAR(50)  UNIQUE NOT NULL,
6    Address              VARCHAR(50)  NOT NULL,
7    Individuals_Flag     VARCHAR(10),
8    Skills_and_Expertise VARCHAR(100),
9    Professional_Qualifications VARCHAR(100),
10   Work_History         VARCHAR(100),
11   Availability         VARCHAR(100),
12   Companies_Flag       VARCHAR(10),
13   Financial_Stability VARCHAR(100),
14   References_          VARCHAR(100),
15   Insurance_Information VARCHAR(100),
16   Compliance_Certifications VARCHAR(100),
17   CONSTRAINT s_sid_pk PRIMARY KEY (Supplier_ID)
18
19 );

```

Output

| # | Name | Type | Collation | Attributes | Null | Default | Comments | Extra | Action |
|----|------------------------------------|--------------|--------------------|------------|------|---------|----------|--------|-----------|
| 1 | Supplier_ID ⚒ | varchar(10) | utf8mb4_general_ci | | No | None | | Change | Drop More |
| 2 | Supplier_name | varchar(30) | utf8mb4_general_ci | | No | None | | Change | Drop More |
| 3 | Email ⚒ | varchar(50) | utf8mb4_general_ci | | No | None | | Change | Drop More |
| 4 | Address | varchar(50) | utf8mb4_general_ci | | No | None | | Change | Drop More |
| 5 | Individuals_Flag | varchar(10) | utf8mb4_general_ci | | Yes | NULL | | Change | Drop More |
| 6 | Skills_and_Expertise | varchar(100) | utf8mb4_general_ci | | Yes | NULL | | Change | Drop More |
| 7 | Professional_Qualifications | varchar(100) | utf8mb4_general_ci | | Yes | NULL | | Change | Drop More |
| 8 | Work_History | varchar(100) | utf8mb4_general_ci | | Yes | NULL | | Change | Drop More |
| 9 | Availability | varchar(100) | utf8mb4_general_ci | | Yes | NULL | | Change | Drop More |
| 10 | Companies_Flag | varchar(10) | utf8mb4_general_ci | | Yes | NULL | | Change | Drop More |
| 11 | Financial_Stability | varchar(100) | utf8mb4_general_ci | | Yes | NULL | | Change | Drop More |
| 12 | References_ | varchar(100) | utf8mb4_general_ci | | Yes | NULL | | Change | Drop More |
| 13 | Insurance_Information | varchar(100) | utf8mb4_general_ci | | Yes | NULL | | Change | Drop More |
| 14 | Compliance_Certifications | varchar(100) | utf8mb4_general_ci | | Yes | NULL | | Change | Drop More |

↑ Check all With selected:

Contact_number table creation

Code

```
CREATE TABLE `Contact_number`
```

```
(Supplier_ID          VARCHAR(10)    NOT NULL,  
Contact_number        CHAR(12)       UNIQUE NOT NULL,  
CONSTRAINT c_sid_cno_pk PRIMARY KEY (Supplier_ID,Contact_number),  
CONSTRAINT c_sid_fk   FOREIGN KEY (Supplier_ID) REFERENCES supplier(Supplier_ID)  
);
```

```
1 CREATE TABLE `Contact_number`  
2  
3 (Supplier_ID          VARCHAR(10)    NOT NULL ,  
4 Contact_number        CHAR(12)       UNIQUE NOT NULL,  
5 CONSTRAINT c_sid_cno_pk PRIMARY KEY (Supplier_ID,Contact_number),  
6 CONSTRAINT c_sid_fk   FOREIGN KEY (Supplier_ID) REFERENCES supplier(Supplier_ID)  
7  
8  
9 );  
10
```

Output

| # | Name | Type | Collation | Attributes | Null | Default | Comments | Extra | Action |
|--------------------------|--|-------------|--------------------|------------|------|---------|----------|--|--------|
| <input type="checkbox"/> | 1 Supplier_ID  | varchar(10) | utf8mb4_general_ci | | No | None | |  Change  Drop More | |
| <input type="checkbox"/> | 2 Contact_number   | char(10) | utf8mb4_general_ci | | No | None | |  Change  Drop More | |

 Check all With selected:  Browse  Change  Drop  Primary  Unique  Index  Spatial  Fulltext

Supplied_item table creation

Code

```
CREATE TABLE `Supplied_item`
```

```
(Supplier_ID      VARCHAR(10) NOT NULL,  
Item_code        VARCHAR(10) NOT NULL,  
CONSTRAINT si_sid_icd_pk PRIMARY KEY (Supplier_ID,Item_code),  
CONSTRAINT si_sid_fk    FOREIGN KEY (Supplier_ID) REFERENCES supplier(Supplier_ID),  
CONSTRAINT si_icd_fk    FOREIGN KEY (Item_code)   REFERENCES item(Item_code)  
);
```

```
1 CREATE TABLE `Supplied_item`  
2  
3 (Supplier_ID      VARCHAR(10) NOT NULL,  
4 Item_code        VARCHAR(10) NOT NULL,  
5 CONSTRAINT si_sid_icd_pk PRIMARY KEY (Supplier_ID,Item_code),  
6 CONSTRAINT si_sid_fk    FOREIGN KEY (Supplier_ID) REFERENCES supplier(Supplier_ID),  
7 CONSTRAINT si_icd_fk    FOREIGN KEY (Item_code)   REFERENCES item(Item_code)  
8  
9 );  
10
```

Output

| # | Name | Type | Collation | Attributes | Null | Default | Comments | Extra | Action |
|---|-------------|-------------|--------------------|------------|------|---------|----------|-------|-------------------|
| 1 | Supplier_ID | varchar(10) | utf8mb4_general_ci | | No | None | | | Change Drop More |
| 2 | Item_code | varchar(10) | utf8mb4_general_ci | | No | None | | | Change Drop More |

Check all With selected: Browse Change Drop Primary Unique Index Spatial Fulltext

Receipt table creation

Code

```
CREATE TABLE `Receipt`
```

```
(Order_ID      VARCHAR(10),
Item_code      VARCHAR(10),
Payment_ID    VARCHAR(20),
CONSTRAINT r_oid_icd_pid_pk PRIMARY KEY (Order_ID,Item_code,Payment_ID),
CONSTRAINT r_oid_fk      FOREIGN KEY (Order_ID)   REFERENCES `order`(Order_ID),
CONSTRAINT r_icd_fk      FOREIGN KEY (Item_code)  REFERENCES item(Item_code),
CONSTRAINT r_pid_fk      FOREIGN KEY (Payment_ID) REFERENCES payment(Payment_ID)

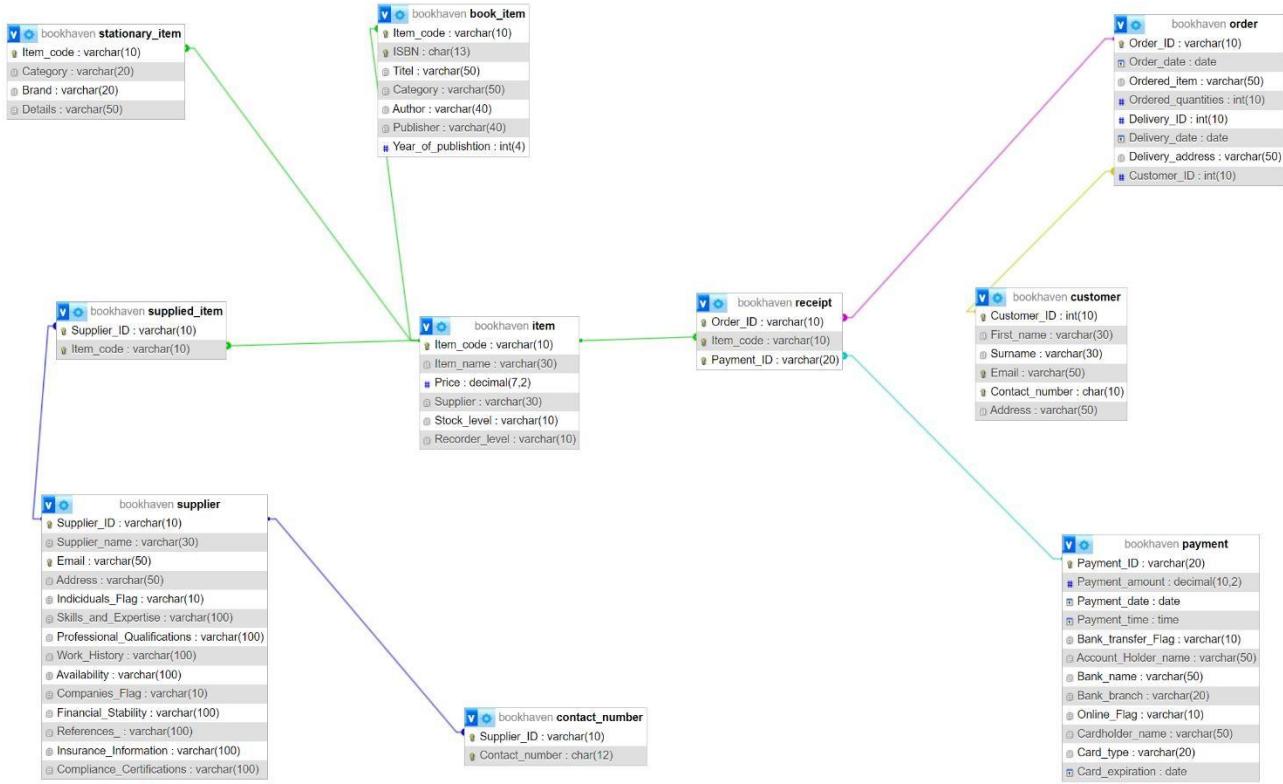
);
```

```
1 CREATE TABLE `Receipt`
2
3 (Order_ID      VARCHAR(10),
4 Item_code      VARCHAR(10),
5 Payment_ID    VARCHAR(20),
6 CONSTRAINT r_oid_icd_pid_pk PRIMARY KEY (Order_ID,Item_code,Payment_ID),
7 CONSTRAINT r_oid_fk      FOREIGN KEY (Order_ID)   REFERENCES `order`(Order_ID),
8 CONSTRAINT r_icd_fk      FOREIGN KEY (Item_code)  REFERENCES item(Item_code),
9 CONSTRAINT r_pid_fk      FOREIGN KEY (Payment_ID) REFERENCES payment(Payment_ID)
10
11 );
12
```

Output

| # | Name | Type | Collation | Attributes | Null | Default | Comments | Extra | Action | | |
|---|--------------|----------------|--------------------|--|--|--|---|--|---|---|--|
| <input type="checkbox"/> | 1 Order_ID | varchar(10) | utf8mb4_general_ci | | No | None | |  Change |  Drop More | | |
| <input type="checkbox"/> | 2 Item_code | varchar(10) | utf8mb4_general_ci | | No | None | |  Change |  Drop More | | |
| <input type="checkbox"/> | 3 Payment_ID | int(20) | | | No | None | |  Change |  Drop More | | |
| <input type="checkbox"/> <input type="checkbox"/> Check all | | With selected: | |  Browse |  Change |  Drop |  Primary |  Unique |  Index |  Spatial |  Fulltext |

Database Diagram



Inserting/ Population Data

Customer Data

Code

```
INSERT INTO `customer` ('Customer_ID', 'First_name', 'Surname', 'Email', 'Contact_number', 'Address')
VALUES
(2023000001, 'Senura', 'Alwis', 'senuraalwis3@gmail.com', '0711234567', '135/6 Street, Josephs Stree,Colombo'),
(2023000002, 'Nimesh', 'Costha', 'nimesh2costha@gmail.com', '0778875621', ' 237/2/10 Main Street 11,Colombo'),
(2023000003, 'Nethma', 'Adhikari', 'nethmaadhikari@gmail.com', '0717854269', '28/2/3,Lane One,Kadawatha'),
(2023000004, 'Dilaksha', 'Vimukthi', 'dilaksha2003@gmail.com', '0784517741', ' 52 Street, Sebastian Mw Mirigama Road,Negambo'),
(2023000005, 'Dimuth', 'Karunarathna', 'dimuthkarunarathna6@gmail.com', '0775575621', '111 Galle Road, 04,Colombo'),
(2023000006, 'Ashan', 'De Silva', 'ashandealwis@gmail.com', '0784521691', '81,2nd Cross Street 11,Colombo'),
(2023000007, 'Roshan', 'Mendis', 'roshanmendis1234@gmail.com', '0714879823', 'No.20, Dutugamunu Street,Kohuwala'),
(2023000008, 'Asanka', 'Hewage', 'AsankaH2000@gmail.com', '0774586311', '923,E W Perera mawtha,Baththaramulla'),
(2023000009, 'Nuwani', 'Alwis', 'nuwanialwis1999@gmail.com', '0784578632', '131/3/A,Duplication Road,Colombo'),
(2023000010, 'Hashan', 'Weerathunga', 'hashanweerathunga2003@gmail.com', '0787875661', ' 1630/4, S.W. Perera Mawatha,Rajagiriya');
```

```
1 INSERT INTO `customer` ('Customer_ID', 'First_name', 'Surname', 'Email', 'Contact_number', 'Address')
2 VALUES
3 (2023000001, 'Senura', 'Alwis', 'senuraalwis3@gmail.com', '0711234567', '135/6 Street, Josephs Stree,Colombo'),
4 (2023000002, 'Nimesh', 'Costha', 'nimesh2costha@gmail.com', '0778875621', ' 237/2/10 Main Street 11,Colombo'),
5 (2023000003, 'Nethma', 'Adhikari', 'nethmaadhikari@gmail.com', '0717854269', '28/2/3,Lane One,Kadawatha'),
6 (2023000004, 'Dilaksha', 'Vimukthi', 'dilaksha2003@gmail.com', '0784517741', ' 52 Street, Sebastian Mw Mirigama Road,Negambo'),
7 (2023000005, 'Dimuth', 'Karunarathna', 'dimuthkarunarathna6@gmail.com', '0775575621', '111 Galle Road, 04,Colombo'),
8 (2023000006, 'Ashan', 'De Silva', 'ashandealwis@gmail.com', '0784521691', '81,2nd Cross Street 11,Colombo'),
9 (2023000007, 'Roshan', 'Mendis', 'roshanmendis1234@gmail.com', '0714879823', 'No.20, Dutugamunu Street,Kohuwala'),
10 (2023000008, 'Asanka', 'Hewage', 'AsankaH2000@gmail.com', '0774586311', '923,E W Perera mawtha,Baththaramulla'),
11 (2023000009, 'Nuwani', 'Alwis', 'nuwanialwis1999@gmail.com', '0784578632', '131/3/A,Duplication Road,Colombo'),
12 (2023000010, 'Hashan', 'Weerathunga', 'hashanweerathunga2003@gmail.com', '0787875661', ' 1630/4, S.W. Perera Mawatha,Rajagiriya');
13
```

Output

| | Customer_ID | First_name | Surname | Email | Contact_number | Address |
|--------------------------|-------------|------------|-------------|---------------------------------|----------------|--|
| <input type="checkbox"/> | 2023000001 | Senura | Alwis | senuraalwis3@gmail.com | 0711234567 | 135/6 Street, Josephs Street, Colombo |
| <input type="checkbox"/> | 2023000002 | Nimesh | Costha | nimesh2costha@gmail.com | 0778875621 | 237/2/10 Main Street 11, Colombo |
| <input type="checkbox"/> | 2023000003 | Nethma | Adhikari | nethmaadhikari@gmail.com | 0717854269 | 28/2/3, Lane One, Kadawatha |
| <input type="checkbox"/> | 2023000004 | Dilaksha | Vimukthi | dilaksha2003@gmail.com | 0784517741 | 52 Street, Sebastian Mw Mirigama Road, Negombo |
| <input type="checkbox"/> | 2023000005 | Dimuth | Karunaratna | dimuthkarunaratna6@gmail.com | 0775575621 | 111 Galle Road, 04, Colombo |
| <input type="checkbox"/> | 2023000006 | Ashan | De Silva | ashandealwis@gmail.com | 0784521691 | 81, 2nd Cross Street 11, Colombo |
| <input type="checkbox"/> | 2023000007 | Roshan | Mendis | roshanmendis1234@gmail.com | 0714879823 | No. 20, Dutugamunu Street, Kohuwala |
| <input type="checkbox"/> | 2023000008 | Asanka | Hewage | AsankaH2000@gmail.com | 0774586311 | 923, E W Perera Mawatha, Baththaramulla |
| <input type="checkbox"/> | 2023000009 | Nuwani | Alwis | nuwanialwis1999@gmail.com | 0784578632 | 131/3/A, Duplication Road, Colombo |
| <input type="checkbox"/> | 2023000010 | Hashan | Weerathunga | hashanweerathunga2003@gmail.com | 0787875661 | 1630/4, S.W. Perera Mawatha, Rajagiriya |

Order Data

Code

```
INSERT INTO `order` ('Order_ID', 'Order_date', 'Ordered_item', 'Ordered_quantities', 'Delivery_ID',  
'Delivery_date', 'Delivery_address', 'Customer_ID')  
VALUES  
('OD00101', '2023-02-02', 'Educational Book 1*1, Database Book 2*1, pens*20', 22, 120101, '2023-02-04',  
'1630/4, S.W. Perera Mawatha, Rajagiriya', 2023000010),  
('OD00102', '2023-03-14', 'Database Book 3*1', 1, 120102, '2023-03-17', '237/2/10 Main Street  
11, Colombo', 2023000002),  
('OD00103', '2023-04-23', 'Notebooks*5, Folders*1, Highliters*2', 8, 120103, '2023-04-26', '135/6 Street,  
Josephs Street, Colombo', 2023000001),  
('OD00104', '2023-04-25', 'Educational Book 2*1, Database Book 4*1', 2, 120104, '2023-04-28', '1630/4,  
S.W. Perera Mawatha, Rajagiriya', 2023000010),  
('OD00105', '2023-05-10', 'Educational Book 1*1, pens*20', 21, 120105, '2023-05-14', '237/2/10 Main
```

Street 11,Colombo', 2023000002),
('OD00106', '2023-06-01', 'Lunch box*1', 1, 120106, '2023-06-05', '52 Street, Sebastian Mw Mirigama Road,Negambo', 2023000004),
('OD00107', '2023-07-30', 'Markers*5', 5, 120107, '2023-08-01', '1630/4, S.W. Perera Mawatha,Rajagiriya', 2023000010),
('OD00108', '2023-08-01', 'Paper*200', 200, 120108, '2023-08-05', 'No.20, Dutugamunu Street,Kohuwala', 2023000007),
('OD00109', '2023-08-04', 'Rulers*2,Database 1*2,Papers*20', 24, 120109, '2023-08-06', '135/6 Street, Josephs Stree,Colombo', 2023000001),
('OD00110', '2023-08-15', 'Water bottle*5', 5, 120110, '2023-08-17', '111 Galle Road, 04,Colombo', 2023000005),
('OD00111', '2023-08-24', 'Database Book 3*5,Novels 1*5', 10, 120111, '2023-08-28', 'No.20, Dutugamunu Street,Kohuwala', 2023000007),
('OD00112', '2023-09-02', 'School bag*1,staplers*5', 6, 120112, '2023-09-05', '81,2nd Cross Street 11,Colombo', 2023000006),
('OD00113', '2023-09-14', 'Pens200', 200, 120113, '2023-09-15', '923,E W Perera mawtha,Baththaramulla', 2023000008),
('OD00114', '2023-10-14', 'White board*2', 2, 120114, '2023-10-17', '135/6 Street, Josephs Stree,Colombo', 2023000001),
('OD00115', '2023-10-15', 'Database Book 3*5,Novels *5', 10, 120115, '2023-10-18', '131/3/A,Duplication Road,Colombo', 2023000009),
('OD00116', '2023-10-16', 'Notebooks*2,binders*2', 10, 120116, '2023-10-19', '135/6 Street, Josephs Stree,Colombo', 2023000001),
('OD00117', '2023-10-26', 'Notebooks*2,Novels 2*5,Desk Lamp*1,binders*2', 10, 120117, '2023-11-01', 'No.20, Dutugamunu Street,Kohuwala', 2023000007),
('OD00118', '2023-11-10', 'Children's novel 1*1,staplers*5', 6, 120118, '2023-11-13', 'No.20, Dutugamunu Street,Kohuwala', 2023000007);

Output

```

1 INSERT INTO `order` (`Order_ID`, `Order_date`, `Ordered_item`, `Ordered_quantities`, `Delivery_ID`, `Delivery_date`, `Delivery_address`, `Customer_ID`)
2 VALUES
3 ('OD00101', '2023-02-02', 'Educational Book 1*1,Database Book 2*1,pens*20', 22, 120101, '2023-02-04', '1630/4, S.W. Perera Mawatha,Rajagiriya', 2023000010),
4 ('OD00102', '2023-03-14', 'Database Book 3*1', 1, 120102, '2023-03-17', '237/2/10 Main Street 11,Colombo', 2023000002),
5 ('OD00103', '2023-04-23', 'Notebooks*5,Folders*1,Highliters*2', 8, 120103, '2023-04-26', '135/6 Street, Josephs Stree,Colombo', 2023000001),
6 ('OD00104', '2023-04-25', 'Educational Book 2*1,Database Book 4*1', 2, 120104, '2023-04-28', '1630/4, S.W. Perera Mawatha,Rajagiriya', 2023000010),
7 ('OD00105', '2023-05-10', 'Educational Book 1*1,pens*20', 21, 120105, '2023-05-14', '237/2/10 Main Street 11,Colombo', 2023000002),
8 ('OD00106', '2023-06-01', 'Lunch box*1', 1, 120106, '2023-06-05', '52 Street, Sebastian Mw Mirigama Road,Negambo', 2023000004),
9 ('OD00107', '2023-07-30', 'Markers*5', 5, 120107, '2023-08-01', '1630/4, S.W. Perera Mawatha,Rajagiriya', 2023000010),
10 ('OD00108', '2023-08-01', 'Paper*200', 200, 120108, '2023-08-05', 'No.20, Dutugamunu Street,Kohuwala', 2023000007),
11 ('OD00109', '2023-08-04', 'Rulers*2,Database 1*2,Papers*20', 24, 120109, '2023-08-06', '135/6 Street, Josephs Stree,Colombo', 2023000001),
12 ('OD00110', '2023-08-15', 'Water bottle*5', 5, 120110, '2023-08-17', '111 Galle Road, 04,Colombo', 2023000005),
13 ('OD00111', '2023-08-24', 'Database Book 3*5,Novels 1*5', 10, 120111, '2023-08-28', 'No.20, Dutugamunu Street,Kohuwala', 2023000007),
14 ('OD00112', '2023-09-02', 'School bag*1,staplers*5', 6, 120112, '2023-09-05', '81,2nd Cross Street 11,Colombo', 2023000006),
15 ('OD00113', '2023-09-14', 'Pens200', 200, 120113, '2023-09-15', '923,E W Perera mawtha,Baththaramulla', 2023000008),
16 ('OD00114', '2023-10-14', 'White board*2', 2, 120114, '2023-10-17', '135/6 Street, Josephs Stree,Colombo', 2023000001),
17 ('OD00115', '2023-10-15', 'Database Book 3*5,Novels *5', 10, 120115, '2023-10-18', '131/3/A,Duplication Road,Colombo', 2023000009),
18 ('OD00116', '2023-10-16', 'Notebooks*2,binders*2', 10, 120116, '2023-10-19', '135/6 Street, Josephs Stree,Colombo', 2023000001),
19 ('OD00117', '2023-10-26', 'Notebooks*2,Novels 2*5,Desk Lamp*1,binders*2', 10, 120117, '2023-11-01', 'No.20, Dutugamunu Street,Kohuwala', 2023000007),
20 ('OD00118', '2023-11-10', 'Children's novel 1*1,staplers*5', 6, 120118, '2023-11-13', 'No.20, Dutugamunu Street,Kohuwala', 2023000007);
21
22

```

| | Order_ID | Order_date | Ordered_item | Ordered_quantities | Delivery_ID | Delivery_date | Delivery_address | Customer_ID |
|---|----------|------------|--|--------------------|-------------|---------------|---|-------------|
| <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> | | | | | | | | |
| <input type="checkbox"/> | OD00101 | 2023-02-02 | Educational Book 1*1,Database Book 2*1,pens*20 | 22 | 120101 | 2023-02-04 | 1630/4, S.W. Perera Mawatha,Rajagiriya | 2023000010 |
| <input type="checkbox"/> | OD00102 | 2023-03-14 | Database Book 3*1 | 1 | 120102 | 2023-03-17 | 237/2/10 Main Street 11,Colombo | 2023000002 |
| <input type="checkbox"/> | OD00103 | 2023-04-23 | Notebooks*5,Folders*1,Highliters*2 | 8 | 120103 | 2023-04-26 | 135/6 Street, Josephs Stree,Colombo | 2023000001 |
| <input type="checkbox"/> | OD00104 | 2023-04-25 | Educational Book 2*1,Database Book 4*1 | 2 | 120104 | 2023-04-28 | 1630/4, S.W. Perera Mawatha,Rajagiriya | 2023000010 |
| <input type="checkbox"/> | OD00105 | 2023-05-10 | Educational Book 1*1,pens*20 | 21 | 120105 | 2023-05-14 | 237/2/10 Main Street 11,Colombo | 2023000002 |
| <input type="checkbox"/> | OD00106 | 2023-06-01 | Lunch box*1 | 1 | 120106 | 2023-06-05 | 52 Street, Sebastian Mw Mirigama Road,Negambo | 2023000004 |
| <input type="checkbox"/> | OD00107 | 2023-07-30 | Markers*5 | 5 | 120107 | 2023-08-01 | 1630/4, S.W. Perera Mawatha,Rajagiriya | 2023000010 |
| <input type="checkbox"/> | OD00108 | 2023-08-01 | Paper*200 | 200 | 120108 | 2023-08-05 | No.20, Dutugamunu Street,Kohuwala | 2023000007 |
| <input type="checkbox"/> | OD00109 | 2023-08-04 | Rulers*2,Database 1*2,Papers*20 | 24 | 120109 | 2023-08-06 | 135/6 Street, Josephs Stree,Colombo | 2023000001 |
| <input type="checkbox"/> | OD00110 | 2023-08-15 | Water bottle*5 | 5 | 120110 | 2023-08-17 | 111 Galle Road, 04,Colombo | 2023000005 |
| <input type="checkbox"/> | OD00111 | 2023-08-24 | Database Book 3*5,Novels 1*5 | 10 | 120111 | 2023-08-28 | No.20, Dutugamunu Street,Kohuwala | 2023000007 |
| <input type="checkbox"/> | OD00112 | 2023-09-02 | School bag*1,staplers*5 | 6 | 120112 | 2023-09-05 | 81,2nd Cross Street 11,Colombo | 2023000006 |
| <input type="checkbox"/> | OD00113 | 2023-09-14 | Pens200 | 200 | 120113 | 2023-09-15 | 923,E W Perera mawtha,Baththaramulla | 2023000008 |
| <input type="checkbox"/> | OD00114 | 2023-10-14 | White board*2 | 2 | 120114 | 2023-10-17 | 135/6 Street, Josephs Stree,Colombo | 2023000001 |
| <input type="checkbox"/> | OD00115 | 2023-10-15 | Database Book 3*5,Novels *5 | 10 | 120115 | 2023-10-18 | 131/3/A,Duplication Road,Colombo | 2023000009 |
| <input type="checkbox"/> | OD00116 | 2023-10-16 | Notebooks*2,binders*2 | 10 | 120116 | 2023-10-19 | 135/6 Street, Josephs Stree,Colombo | 2023000001 |
| <input type="checkbox"/> | OD00117 | 2023-10-26 | Notebooks*2,Novels 2*5,Desk Lamp*1,binders*2 | 10 | 120117 | 2023-11-01 | No.20, Dutugamunu Street,Kohuwala | 2023000007 |
| <input type="checkbox"/> | OD00118 | 2023-11-10 | Children's novel 1*1,staplers*5 | 6 | 120118 | 2023-11-13 | No.20, Dutugamunu Street,Kohuwala | 2023000007 |

Check all With selected: Edit Copy Delete Export

Payment Data

Code

```
INSERT INTO `payment` ('Payment_ID', 'Payment_amount', 'Payment_date', 'Payment_time',
'Bank_transfer_Flag', 'Account_Holder_name', 'Bank_name', 'Bank_branch', 'Online_Flag', 'Cardholder_name',
'Card_type', 'Card_expiration')
VALUES
('PAY202302020001', 3400.00, '2023-02-02', 12.30, NULL, NULL, NULL, 'Yes', 'Hashan
Weerathunga', 'Visa', '2025-12-31'),
('PAY202303140001', 3000.00, '2023-03-14', 13.00, 'Yes', 'Nimesh Costha', 'Sampath Bank', 'Dehiwala', NULL,
NULL, NULL, NULL),
('PAY202304230001', 1900.00, '2023-04-23', 08.45, 'Yes', 'Senura Alwis', 'Peoples Bank', 'Wellawaththa', NULL,
NULL, NULL, NULL),
('PAY202304250001', 7500.00, '2023-04-25', 09.30, 'Yes', 'Hashan Weerathunga', 'National Saving
Bank', 'Rajagiriya', NULL,NULL,NULL,NULL),
('PAY202305100001', 2400.00, '2023-05-10', 10.05, NULL, NULL, NULL, NULL, 'Yes', 'Nimesh Costha', 'Master
Card', '2026-12-31'),
('PAY202306010002', 500.00, '2023-06-01', 15.30, NULL, NULL, NULL, NULL, 'Yes', 'Dilaksha Vimukthi', 'Visa',
'2027-12-31'),
('PAY202307300001', 750.00, '2023-07-30', 10.30, NULL, NULL, NULL, NULL, 'Yes', 'Hashan
Weerathunga', 'Visa', '2025-12-31'),
('PAY202308010001', 2000.00, '2023-08-01', 16.00,'Yes', 'Roshan Mendis', 'Commercial Bank',
'Kohuwala',NULL, NULL, NULL),
('PAY202308040001', 2300.00, '2023-08-04', 12.30, NULL, NULL, NULL, NULL, 'Yes', 'Senura Alwis', 'Visa',
'2024-12-31'),
('PAY202308150001', 3750.00, '2023-08-15', 11.45, NULL, NULL, NULL, NULL, 'Yes', 'Dimuth
Karunarathna', 'Master Card', '2026-12-31'),
('PAY202308240001', 22500.00, '2023-08-24', 14.30, 'Yes', 'Roshan Menndis', 'Commercial Bank',
'Kohuwala', NULL, NULL, NULL),
('PAY202309020001', 6500.00, '2023-09-02', 16.45, NULL, NULL, NULL, NULL, 'Yes', 'Ashan De Alwis',
'Master Card', '2026-12-31'),
('PAY202309140001', 4000.00, '2023-09-14', 13.20, 'Yes', 'Asanka Hewage', 'Sampath Bank',
'Baththaramulla',NULL, NULL, NULL),
('PAY202310140001', 20000.00, '2023-10-14', 08.45,'Yes', 'Senura Alwis', 'People Bank', 'Wellawaththa', NULL,
NULL, NULL, NULL ),
```

('PAY202310150001', 22500.00, '2023-10-15', 12.25, NULL, NULL, NULL, NULL, 'Yes', 'Nuwani Alwis', 'Master Card', '2027-12-31'),
 ('PAY202310160001', 800.00, '2023-10-16', 13.40, 'Yes', 'Senura Alwis', 'People Bank', 'Wellawaththa',NULL, NULL, NULL, NULL),
 ('PAY202310260001', 13100.00, '2023-10-26', 09.50, NULL, NULL, NULL, NULL, 'Yes', 'Roshan Mendis', 'Master Card', '2026-12-31'),
 ('PAY202311100001', 5000.00, '2023-11-10', 14.45, 'Yes', 'Roshan Mendis', 'Commercial Bank', 'Kohuwala', NULL, NULL, NULL, NULL);

```

26
27 INSERT INTO `payment` (`Payment_ID`, `Payment_amount`, `Payment_date`, `Payment_time`, `Bank_transfer_Flag`, `Account_Holder_name`, `Bank_name`, `Bank_branch`, `Online_Flag`,
28 `Cardholder_name`, `Card_type`, `Card_expiration`)
29 VALUES
30 ('PAY202302020001', 3400.00, '2023-02-02', 12.30, NULL, NULL, NULL, NULL, 'Yes', 'Hashan Weerathunga', 'Visa', '2025-12-31'),
31 ('PAY202303140001', 3000.00, '2023-03-14', 13.00, 'Yes', 'Nimesh Costha', 'Sampath Bank', 'Dehiwala', NULL, NULL, NULL, NULL),
32 ('PAY202304230001', 1900.00, '2023-04-23', 08.45, 'Yes', 'Senura Alwis', 'Peoples Bank', 'Wellawaththa', NULL, NULL, NULL, NULL),
33 ('PAY202304250001', 7500.00, '2023-04-25', 09.30, 'Yes', 'Hashan Weerathunga', 'National Saving Bank', 'Rajagiriya', NULL,NULL,NULL,NULL),
34 ('PAY202305100001', 2400.00, '2023-05-10', 10.05, NULL, NULL, NULL, 'Yes', 'Nimesh Costha', 'Master Card', '2026-12-31'),
35 ('PAY202306180002', 500.00, '2023-06-01', 15.30, NULL, NULL, NULL, NULL, 'Yes', 'Dilaksha Vimukthi', 'Visa', '2027-12-31'),
36 ('PAY202307300001', 750.00, '2023-07-30', 10.30, NULL, NULL, NULL, NULL, 'Yes', 'Hashan Weerathunga', 'Visa', '2025-12-31'),
37 ('PAY202308010001', 2000.00, '2023-08-01', 16.00,'Yes', 'Roshan Mendis', 'Commercial Bank', 'Kohuwala',NULL, NULL, NULL, NULL),
38 ('PAY202308040001', 2300.00, '2023-08-04', 12.30, NULL, NULL, NULL, NULL, 'Yes', 'Senura Alwis', 'Visa', '2024-12-31'),
39 ('PAY202308150001', 3750.00, '2023-08-15', 11.45, NULL, NULL, NULL, NULL, 'Yes', 'Dimuth Karunaratna', 'Master Card', '2026-12-31'),
40 ('PAY202308240001', 22500.00, '2023-08-24', 14.30, 'Yes', 'Roshan Mendis', 'Commercial Bank', 'Kohuwala', NULL, NULL, NULL, NULL),
41 ('PAY202309020001', 6500.00, '2023-09-02', 16.45, NULL, NULL, NULL, NULL, 'Yes', 'Ashan De Alwis', 'Master Card', '2026-12-31'),
42 ('PAY202309140001', 4000.00, '2023-09-14', 13.20, 'Yes', 'Asanka Hewage', 'Sampath Bank', 'Baththaramulla',NULL, NULL, NULL, NULL),
43 ('PAY202310140001', 20000.00, '2023-10-14', 08.45,'Yes', 'Senura Alwis', 'People Bank', 'Wellawaththa', NULL, NULL, NULL, NULL ),
44 ('PAY202310150001', 22500.00, '2023-10-15', 12.25, NULL, NULL, NULL, NULL, 'Yes', 'Nuwani Alwis', 'Master Card', '2027-12-31'),
45 ('PAY202310160001', 800.00, '2023-10-16', 13.40, 'Yes', 'Senura Alwis', 'People Bank', 'Wellawaththa',NULL, NULL, NULL, NULL),
46 ('PAY202310260001', 13100.00, '2023-10-26', 09.50, NULL, NULL, NULL, NULL, 'Yes', 'Roshan Mendis', 'Master Card', '2026-12-31'),
47 ('PAY202311100001', 5000.00, '2023-11-10', 14.45, 'Yes', 'Roshan Mendis', 'Commercial Bank', 'Kohuwala', NULL, NULL, NULL, NULL);
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```

Output

| Payment_ID | Payment_amount | Payment_date | Payment_time | Bank_transfer_Flag | Account_Holder_name | Bank_name | Bank_branch | Online_Flag | Cardholder_name | Card_type | Card_expiration |
|-----------------|----------------|--------------|--------------|--------------------|---------------------|----------------------|----------------|-------------|--------------------|-------------|-----------------|
| PAY202302020001 | 3400.00 | 2023-02-02 | 00:00:12 | NULL | NULL | NULL | NULL | Yes | Hashan Weerathunga | Visa | 2025-12-31 |
| PAY202303140001 | 3000.00 | 2023-03-14 | 00:00:13 | Yes | Nimesh Costha | Sampath Bank | Dehiwala | NULL | NULL | NULL | NULL |
| PAY202304230001 | 1900.00 | 2023-04-23 | 00:00:08 | Yes | Senura Alwis | Peoples Bank | Wellawattha | NULL | NULL | NULL | NULL |
| PAY202304250001 | 7500.00 | 2023-04-25 | 00:00:09 | Yes | Hashan Weerathunga | National Saving Bank | Rajagiriya | NULL | NULL | NULL | NULL |
| PAY202305100001 | 2400.00 | 2023-05-10 | 00:00:10 | NULL | NULL | NULL | NULL | Yes | Nimesh Costha | Master Card | 2026-12-31 |
| PAY202306010002 | 500.00 | 2023-06-01 | 00:00:15 | NULL | NULL | NULL | NULL | Yes | Dilaksha Vimukthi | Visa | 2027-12-31 |
| PAY202307300001 | 750.00 | 2023-07-30 | 00:00:10 | NULL | NULL | NULL | NULL | Yes | Hashan Weerathunga | Visa | 2025-12-31 |
| PAY202308010001 | 2000.00 | 2023-08-01 | 00:00:16 | Yes | Roshan Mendis | Commercial Bank | Kohuwala | NULL | NULL | NULL | NULL |
| PAY202308040001 | 2300.00 | 2023-08-04 | 00:00:12 | NULL | NULL | NULL | NULL | Yes | Senura Alwis | Visa | 2024-12-31 |
| PAY202308150001 | 3750.00 | 2023-08-15 | 00:00:11 | NULL | NULL | NULL | NULL | Yes | Dimuth Karunaratna | Master Card | 2026-12-31 |
| PAY202308240001 | 22500.00 | 2023-08-24 | 00:00:14 | Yes | Roshan Menndis | Commercial Bank | Kohuwala | NULL | NULL | NULL | NULL |
| PAY202309020001 | 6500.00 | 2023-09-02 | 00:00:16 | NULL | NULL | NULL | NULL | Yes | Ashan De Alwis | Master Card | 2026-12-31 |
| PAY202309140001 | 4000.00 | 2023-09-14 | 00:00:13 | Yes | Asanka Hewage | Sampath Bank | Baththaramulla | NULL | NULL | NULL | NULL |
| PAY202310140001 | 20000.00 | 2023-10-14 | 00:00:08 | Yes | Senura Alwis | People Bank | Wellawattha | NULL | NULL | NULL | NULL |
| PAY202310150001 | 22500.00 | 2023-10-15 | 00:00:12 | NULL | NULL | NULL | NULL | Yes | Nuwani Alwis | Master Card | 2027-12-31 |
| PAY202310160001 | 800.00 | 2023-10-16 | 00:00:13 | Yes | Senura Alwis | People Bank | Wellawattha | NULL | NULL | NULL | NULL |
| PAY202310260001 | 13100.00 | 2023-10-26 | 00:00:09 | NULL | NULL | NULL | NULL | Yes | Roshan Mendis | Master Card | 2026-12-31 |
| PAY202311100001 | 5000.00 | 2023-11-10 | 00:00:14 | Yes | Roshan Mendis | Commercial Bank | Kohuwala | NULL | NULL | NULL | NULL |

Item Data

Code

```

INSERT INTO `item` ('Item_code', 'Item_name', 'Price', 'Supplier', 'Stock_level', 'Recorder_level')
VALUES
('BK001', 'Database Book 1', 2000.00, 'Makeenbooks Pvt Ltd', '10', '5'),
('BK002', 'Database Book 2', 1000.00, 'Cybergate Services (Pvt) Ltd', '20', '15'),
('BK003', 'Database Book 3', 3000.00, 'Sathara Prakasakayo (Pvt) Ltd', '10', '2'),
('BK004', 'Database Book 4', 5000.00, 'Galle Printers (Pvt) Ltd', '10', '7'),
('BK005', 'Novel 1', 1500.00, 'Makeenbooks Pvt Ltd', '20', '10'),
('BK006', 'Novel 2', 1500.00, 'Galle Printers (Pvt) Ltd', '30', '10'),
('BK007', 'Educational Book 1', 2000.00, 'Cybergate Services (Pvt) Ltd', '20', '5'),
('BK008', 'Educational Book 2', 2500.00, 'Galle Printers (Pvt) Ltd', '25', '5'),
('BK009', 'children's novel', 3500.00, 'Sathara Prakasakayo (Pvt) Ltd', '5', '2'),
('OG001', 'Desk Lamp', 5000.00, 'ATLAS AXILLIA COMPANY PVT LTD', '25', '10'),

```

('OG002', 'White board', 10000.00, 'ATLAS AXILLIA COMPANY PVT LTD', '10', '5'),
 ('OG003', 'School bag', 5000.00, 'Printexel (Private) Limited', '10', '5'),
 ('OG004', 'Water bottle', 750.00, 'ATLAS AXILLIA COMPANY PVT LTD', '20', '5'),
 ('OG005', 'lunch boxes', 500.00, 'ATLAS AXILLIA COMPANY PVT LTD', '30', '10'),
 ('ST001', 'Notebooks', 300.00, 'Printexel (Private) Limited', '1000', '250'),
 ('ST002', 'pens', 20.00, 'ATLAS AXILLIA COMPANY PVT LTD', '2000', '1000'),
 ('ST003', 'paper', 10.00, 'ATLAS AXILLIA COMPANY PVT LTD', '5000', '2500'),
 ('ST004', 'Folders', 100.00, 'Printexel (Private) Limited', '500', '250'),
 ('ST005', 'staplers', 300.00, 'ATLAS AXILLIA COMPANY PVT LTD', '100', '75'),
 ('ST006', 'binders', 200.00, 'ATLAS AXILLIA COMPANY PVT LTD', '200', '125'),
 ('ST007', 'Markers', 150.00, 'Printexel (Private) Limited', '500', '50'),
 ('ST008', 'Erasers', 150.00, 'ATLAS AXILLIA COMPANY PVT LTD', '2000', '500'),
 ('ST009', 'Highliters', 150.00, 'Printexel (Private) Limited', '2000', '1000'),
 ('ST010', 'Rulers', 50.00, 'ATLAS AXILLIA COMPANY PVT LTD', '1000', '500');

```

1 INSERT INTO `item` (`Item_code`, `Item_name`, `Price`, `Supplier`, `Stock_level`, `Recorder_level`)
2 VALUES
3 ('BK001', 'Database Book 1', 2000.00, 'Makeenbooks Pvt Ltd', '10', '5'),
4 ('BK002', 'Database Book 2', 1000.00, 'Cybergate Services (Pvt) Ltd', '20', '15'),
5 ('BK003', 'Database Book 3', 3000.00, 'Sathara Prakasakayo (Pvt) Ltd', '10', '2'),
6 ('BK004', 'Database Book 4', 5000.00, 'Galle Printers (Pvt) Ltd', '10', '7'),
7 ('BK005', 'Novel 1', 1500.00, 'Makeenbooks Pvt Ltd', '20', '10'),
8 ('BK006', 'Novel 2', 1500.00, 'Galle Printers (Pvt) Ltd', '30', '10'),
9 ('BK007', 'Educational Book 1', 2000.00, 'Cybergate Services (Pvt) Ltd', '20', '5'),
10 ('BK008', 'Educational Book 2', 2500.00, 'Galle Printers (Pvt) Ltd', '25', '5'),
11 ('BK009', 'children's novel', 3500.00, 'Sathara Prakasakayo (Pvt) Ltd', '5', '2'),
12 ('OG001', 'Desk Lamp', 5000.00, 'ATLAS AXILLIA COMPANY PVT LTD', '25', '10'),
13 ('OG002', 'White board', 10000.00, 'ATLAS AXILLIA COMPANY PVT LTD', '10', '5'),
14 ('OG003', 'School bag', 5000.00, 'Printexel (Private) Limited', '10', '5'),
15 ('OG004', 'Water bottle', 750.00, 'ATLAS AXILLIA COMPANY PVT LTD', '20', '5'),
16 ('OG005', 'lunch boxes', 500.00, 'ATLAS AXILLIA COMPANY PVT LTD', '30', '10'),
17 ('ST001', 'Notebooks', 300.00, 'Printexel (Private) Limited', '1000', '250'),
18 ('ST002', 'pens', 20.00, 'ATLAS AXILLIA COMPANY PVT LTD', '2000', '1000'),
19 ('ST003', 'paper', 10.00, 'ATLAS AXILLIA COMPANY PVT LTD', '5000', '2500'),
20 ('ST004', 'Folders', 100.00, 'Printexel (Private) Limited', '500', '250'),
21 ('ST005', 'staplers', 300.00, 'ATLAS AXILLIA COMPANY PVT LTD', '100', '75'),
22 ('ST006', 'binders', 200.00, 'ATLAS AXILLIA COMPANY PVT LTD', '200', '125'),
23 ('ST007', 'Markers', 150.00, 'Printexel (Private) Limited', '500', '50'),
24 ('ST008', 'Erasers', 150.00, 'ATLAS AXILLIA COMPANY PVT LTD', '2000', '500'),
25 ('ST009', 'Highliters', 150.00, 'Printexel (Private) Limited', '2000', '1000'),
26 ('ST010', 'Rulers', 50.00, 'ATLAS AXILLIA COMPANY PVT LTD', '1000', '500');

```

Output

| | <input type="checkbox"/>  Edit |  Copy |  Delete | Item_code | Item_name | Price | Supplier | Stock_level | Recorder_level |
|--------------------------|---|--|--|-----------|--------------------|----------|-------------------------------|-------------|----------------|
| <input type="checkbox"/> |  Edit |  Copy |  Delete | BK001 | Database Book 1 | 2000.00 | Makeenbooks Pvt Ltd | 10 | 5 |
| <input type="checkbox"/> |  Edit |  Copy |  Delete | BK002 | Database Book 2 | 1000.00 | Cybergate Services (Pvt) Ltd | 20 | 15 |
| <input type="checkbox"/> |  Edit |  Copy |  Delete | BK003 | Database Book 3 | 3000.00 | Sathara Prakasakayo (Pvt) Ltd | 10 | 2 |
| <input type="checkbox"/> |  Edit |  Copy |  Delete | BK004 | Database Book 4 | 5000.00 | Galle Printers (Pvt) Ltd | 10 | 7 |
| <input type="checkbox"/> |  Edit |  Copy |  Delete | BK005 | Novel 1 | 1500.00 | Makeenbooks Pvt Ltd | 20 | 10 |
| <input type="checkbox"/> |  Edit |  Copy |  Delete | BK006 | Novel 2 | 1500.00 | Galle Printers (Pvt) Ltd | 30 | 10 |
| <input type="checkbox"/> |  Edit |  Copy |  Delete | BK007 | Educational Book 1 | 2000.00 | Cybergate Services (Pvt) Ltd | 20 | 5 |
| <input type="checkbox"/> |  Edit |  Copy |  Delete | BK008 | Educational Book 2 | 2500.00 | Galle Printers (Pvt) Ltd | 25 | 5 |
| <input type="checkbox"/> |  Edit |  Copy |  Delete | BK009 | children's novel | 3500.00 | Sathara Prakasakayo (Pvt) Ltd | 5 | 2 |
| <input type="checkbox"/> |  Edit |  Copy |  Delete | OG001 | Desk Lamp | 5000.00 | ATLAS AXILLIA COMPANY PVT LTD | 25 | 10 |
| <input type="checkbox"/> |  Edit |  Copy |  Delete | OG002 | White board | 10000.00 | ATLAS AXILLIA COMPANY PVT LTD | 10 | 5 |
| <input type="checkbox"/> |  Edit |  Copy |  Delete | OG003 | School bag | 5000.00 | Printexel (Private) Limited | 10 | 5 |
| <input type="checkbox"/> |  Edit |  Copy |  Delete | OG004 | Water bottle | 750.00 | ATLAS AXILLIA COMPANY PVT LTD | 20 | 5 |
| <input type="checkbox"/> |  Edit |  Copy |  Delete | OG005 | lunch boxes | 500.00 | ATLAS AXILLIA COMPANY PVT LTD | 30 | 10 |
| <input type="checkbox"/> |  Edit |  Copy |  Delete | ST001 | Notebooks | 300.00 | Printexel (Private) Limited | 1000 | 250 |
| <input type="checkbox"/> |  Edit |  Copy |  Delete | ST002 | pens | 20.00 | ATLAS AXILLIA COMPANY PVT LTD | 2000 | 1000 |
| <input type="checkbox"/> |  Edit |  Copy |  Delete | ST003 | paper | 10.00 | ATLAS AXILLIA COMPANY PVT LTD | 5000 | 2500 |
| <input type="checkbox"/> |  Edit |  Copy |  Delete | ST004 | Folders | 100.00 | Printexel (Private) Limited | 500 | 250 |
| <input type="checkbox"/> |  Edit |  Copy |  Delete | ST005 | staplers | 300.00 | ATLAS AXILLIA COMPANY PVT LTD | 100 | 75 |
| <input type="checkbox"/> |  Edit |  Copy |  Delete | ST006 | binders | 200.00 | ATLAS AXILLIA COMPANY PVT LTD | 200 | 125 |
| <input type="checkbox"/> |  Edit |  Copy |  Delete | ST007 | Markers | 150.00 | Printexel (Private) Limited | 500 | 50 |
| <input type="checkbox"/> |  Edit |  Copy |  Delete | ST008 | Erasers | 150.00 | ATLAS AXILLIA COMPANY PVT LTD | 2000 | 500 |
| <input type="checkbox"/> |  Edit |  Copy |  Delete | ST009 | Highlighters | 150.00 | Printexel (Private) Limited | 2000 | 1000 |
| <input type="checkbox"/> |  Edit |  Copy |  Delete | ST010 | Rulers | 50.00 | ATLAS AXILLIA COMPANY PVT LTD | 1000 | 500 |

Check all With selected:  Edit  Copy  Delete  Export

Book_item Data

Code

```
INSERT INTO `book_item` ('Item_code', 'ISBN', 'Titel', 'Category', 'Author', 'Publisher', 'Year_of_publishtion')
VALUES
('BK001', '9780133970777', 'Fundamentals of Database systems 7th edition', 'Database Book ', 'Ramez Elmasri,Shamkant Navathe', 'Pearson Education Limited', 2015),
('BK002', '9789332582705', 'Database Systems: Models, Languages, Design, and', 'Database Book ', 'Ramez Elmasri, Shamkant Navathe', 'Pearson Education Limited', 2006),
('BK003', '9780582844339', 'Fundamentals of Database Systems: SQL Introduction ', 'Database Book ', 'Ramez Elmasri, Shamkant Navathe', 'Pearson Education Limited', 2003),
('BK004', '9780805317558', 'Advance Database Management System', 'Database Book ', 'Ramez Elmasri, Shamkant Navathe', 'Pearson Education Limited', 2011),
('BK005', '9780330305372', 'Beloved', 'Novel', 'Toni Morrison', 'Alfred A. Knopf Inc.', 1987),
('BK006', '9780141441146', 'Jane Eyre', 'Novel', 'Charlotte Brontë', 'Smith, Elder Co.', 1847),
('BK007', '9780674729018', 'Make it Stick', 'Educational', 'Peter C. Brown', 'Harvard University Press', 2014),
('BK008', '9780345300058', 'Cosmos', 'Educational', 'Roald Dahl', 'Jonathan Capes', 1980),
('BK009', '9780142402535', 'Matilda', 'children's', 'Don Freeman', 'Viking Press', 1988);
```

```
1 INSERT INTO `book_item` ('Item_code', 'ISBN', 'Titel', 'Category', 'Author', 'Publisher', 'Year_of_publishtion')
2 VALUES
3 ('BK001', '9780133970777', 'Fundamentals of Database systems 7th edition', 'Database Book ', 'Ramez Elmasri,Shamkant Navathe', 'Pearson Education Limited', 2015),
4 ('BK002', '9789332582705', 'Database Systems: Models, Languages, Design, and', 'Database Book ', 'Ramez Elmasri, Shamkant Navathe', 'Pearson Education Limited', 2006),
5 ('BK003', '9780582844339', 'Fundamentals of Database Systems: SQL Introduction ', 'Database Book ', 'Ramez Elmasri, Shamkant Navathe', 'Pearson Education Limited', 2003),
6 ('BK004', '9780805317558', 'Advance Database Management System', 'Database Book ', 'Ramez Elmasri, Shamkant Navathe', 'Pearson Education Limited', 2011),
7 ('BK005', '9780330305372', 'Beloved', 'Novel', 'Toni Morrison', 'Alfred A. Knopf Inc.', 1987),
8 ('BK006', '9780141441146', 'Jane Eyre', 'Novel', 'Charlotte Brontë', 'Smith, Elder Co.', 1847),
9 ('BK007', '9780674729018', 'Make it Stick', 'Educational', 'Peter C. Brown', 'Harvard University Press', 2014),
10 ('BK008', '9780345300058', 'Cosmos', 'Educational', 'Roald Dahl', 'Jonathan Capes', 1980),
11 ('BK009', '9780142402535', 'Matilda', 'children's', 'Don Freeman', 'Viking Press', 1988);
12
```

Output

| | | Item_code | ISBN | Title | Category | Author | Publisher | Year_of_publishtion | |
|--------------------------|--|-----------|------|-------|----------|--------|-----------|--|--|
| <input type="checkbox"/> | | Edit | | Copy | | Delete | BK001 | 9780133970777 Fundamentals of Database systems 7th edition | Database Book Ramez Elmasri,Shamkant Navathe Pearson Education Limited 2015 |
| <input type="checkbox"/> | | Edit | | Copy | | Delete | BK002 | 9789332582705 Database Systems: Models, Languages, Design, and | Database Book Ramez Elmasri, Shamkant Navathe Pearson Education Limited 2006 |
| <input type="checkbox"/> | | Edit | | Copy | | Delete | BK003 | 9780582844339 Fundamentals of Database Systems: SQL Introduction | Database Book Ramez Elmasri, Shamkant Navathe Pearson Education Limited 2003 |
| <input type="checkbox"/> | | Edit | | Copy | | Delete | BK004 | 9780805317558 Advance Database Management System | Database Book Ramez Elmasri, Shamkant Navathe Pearson Education Limited 2011 |
| <input type="checkbox"/> | | Edit | | Copy | | Delete | BK005 | 9780330305372 Beloved | Novel Toni Morrison Alfred A. Knopf Inc. 1987 |
| <input type="checkbox"/> | | Edit | | Copy | | Delete | BK006 | 9780141441146 Jane Eyre | Novel Charlotte Brontë Smith, Elder Co. 1847 |
| <input type="checkbox"/> | | Edit | | Copy | | Delete | BK007 | 9780674729018 Make it Stick | Educationa Peter C. Brown Harvard University Press 2014 |
| <input type="checkbox"/> | | Edit | | Copy | | Delete | BK008 | 9780345300058 Cosmos | Educationa Roald Dahl Jonathan Capes 1980 |
| <input type="checkbox"/> | | Edit | | Copy | | Delete | BK009 | 9780142402535 Matilda | children's Don Freeman Viking Press 1988 |

Stationary_item Data

Code

```
INSERT INTO `stationary_item` ('Item_code', 'Category', 'Brand', 'Details')
VALUES
('ST001', 'Notebooks', 'ProMate', 'Classic ruled notebook, large size, black cover'),
('ST002', 'Pens', 'Atles', 'G2 gel pens, fine point, black ink, pack of 5'),
('ST003', 'Paper', 'Atles', 'Letter-size copy paper, 500 sheets, 20lb weight'),
('ST004', 'Folders', 'ProMate', 'Assorted color file folders, letter size, pack of '),
('ST005', 'Staplers', 'Atles', 'Desktop stapler with built-in staple remover'),
('ST006', 'Binders', 'Atles', 'Durable view binder, 1 inch, white, pack of 4'),
('ST007', 'Markers', 'ProMate', 'Dry erase markers, assorted colors, pack of 8'),
('ST008', 'Erasers', 'Atles', 'Hi-Polymer erasers, white, pack of 4'),
('ST009', 'Highlighters', 'ProMate', 'Assorted color highlighters, pack of 6'), ('ST010',
'Rulers', 'Atles', '12-inch clear plastic ruler, pack of 3');
```

```

1 INSERT INTO `stationary_item` (`Item_code`, `Category`, `Brand`, `Details`)
2 VALUES
3 ('ST001', 'Notebooks', 'ProMate', 'Classic ruled notebook, large size, black cover'),
4 ('ST002', 'Pens', 'Atles', 'G2 gel pens, fine point, black ink, pack of 5'),
5 ('ST003', 'Paper', 'Atles', 'Letter-size copy paper, 500 sheets, 20lb weight'),
6 ('ST004', 'Folders', 'ProMate', 'Assorted color file folders, letter size, pack of '),
7 ('ST005', 'Staplers', 'Atles', 'Desktop stapler with built-in staple remover'),
8 ('ST006', 'Binders', 'Atles', 'Durable view binder, 1 inch, white, pack of 4'),
9 ('ST007', 'Markers', 'ProMate', 'Dry erase markers, assorted colors, pack of 8'),
10 ('ST008', 'Erasers', 'Atles', 'Hi-Polymer erasers, white, pack of 4'),
11 ('ST009', 'Highlighters', 'ProMate', 'Assorted color highlighters, pack of 6'),
12 ('ST010', 'Rulers', 'Atles', '12-inch clear plastic ruler, pack of 3');

```

Output

| | | Item_code | Category | Brand | Details |
|--------------------------|--|--|--|-------|---|
| | | ▼ | | | |
| <input type="checkbox"/> |  Edit |  Copy |  Delete | ST001 | Notebooks ProMate Classic ruled notebook, large size, black cover |
| <input type="checkbox"/> |  Edit |  Copy |  Delete | ST002 | Pens Atles G2 gel pens, fine point, black ink, pack of 5 |
| <input type="checkbox"/> |  Edit |  Copy |  Delete | ST003 | Paper Atles Letter-size copy paper, 500 sheets, 20lb weight |
| <input type="checkbox"/> |  Edit |  Copy |  Delete | ST004 | Folders ProMate Assorted color file folders, letter size, pack of |
| <input type="checkbox"/> |  Edit |  Copy |  Delete | ST005 | Staplers Atles Desktop stapler with built-in staple remover |
| <input type="checkbox"/> |  Edit |  Copy |  Delete | ST006 | Binders Atles Durable view binder, 1 inch, white, pack of 4 |
| <input type="checkbox"/> |  Edit |  Copy |  Delete | ST007 | Markers ProMate Dry erase markers, assorted colors, pack of 8 |
| <input type="checkbox"/> |  Edit |  Copy |  Delete | ST008 | Erasers Atles Hi-Polymer erasers, white, pack of 4 |
| <input type="checkbox"/> |  Edit |  Copy |  Delete | ST009 | Highlighters ProMate Assorted color highlighters, pack of 6 |
| <input type="checkbox"/> |  Edit |  Copy |  Delete | ST010 | Rulers Atles 12-inch clear plastic ruler, pack of 3 |

Check all With selected:  Edit  Copy  Delete  Export

Supplier Data

Code

```
INSERT INTO `supplier` ('Supplier_ID', 'Supplier_name', 'Email', 'Address', 'Indiciduals_Flag',  
'Skills_and_Expertise', 'Professional_Qualifications', 'Work_History', 'Availability', 'Companies_Flag',  
'Financial_Stability', 'References_', 'Insurance_Information', 'Compliance_Certifications')  
VALUES  
('SP0001', 'ATLAS AXILLIA COMPANY PVT LTD', 'customerfeedback@atlasaxillia.com', '96, Parakrama  
Road, Old Kandy Rd, Peliyagoda 11830', NULL, NULL, NULL, NULL, NULL, 'Yes', 'Good', NULL, NULL,  
NULL),  
('SP0002', 'Printexel (Private) Limited', 'info@promateworld.com', '164/4 Seelawimala Mawatha, 10150',  
NULL, NULL, NULL, NULL, NULL, 'Yes', 'Good', NULL, NULL, NULL),  
('SP0003', 'Makeenbooks Pvt Ltd', 'info@makeenbooks.com', '441, Galle road, Colombo - 03, Colombo',  
NULL, NULL, NULL, NULL, NULL, 'Yes', 'Good', NULL, NULL, NULL),  
('SP0004', 'Cybergate Services (Pvt) Ltd', 'print@cybergate.lk', '57A,Soratha  
Mw,Gangodawila,Nugegoda', NULL, NULL, NULL, NULL, NULL, 'Yes', 'Good', NULL, NULL, NULL),  
('SP0005', 'Galle Printers (Pvt) Ltd', 'galleprint@gmail.com', '41 Suderis Silva Mw, Horana', NULL, NULL,  
NULL, NULL, NULL, 'Yes', 'Good', NULL, NULL, NULL),  
('SP0006', 'Sathara Prakasakayo (Pvt) Ltd', 'sathara@sathara.com', '122,Awissawella  
Road,Maharagama', NULL, NULL, NULL, NULL, NULL, 'Yes', 'Good', NULL, NULL, NULL);
```

```
1 INSERT INTO `supplier` ('Supplier_ID', 'Supplier_name', 'Email', 'Address', 'Indiciduals_Flag', 'Skills_and_Expertise', 'Professional_Qualifications', 'Work_History', 'Availability',  
'Companies_Flag', 'Financial_Stability', 'References_', 'Insurance_Information', 'Compliance_Certifications')  
2 VALUES  
3 ('SP0001', 'ATLAS AXILLIA COMPANY PVT LTD', 'customerfeedback@atlasaxillia.com', '96, Parakrama Road, Old Kandy Rd, Peliyagoda 11830', NULL, NULL, NULL, NULL, NULL, 'Yes', 'Good', NULL, NULL, NULL),  
4 ('SP0002', 'Printexel (Private) Limited', 'info@promateworld.com', '164/4 Seelawimala Mawatha, 10150', NULL, NULL, NULL, NULL, NULL, 'Yes', 'Good', NULL, NULL, NULL),  
5 ('SP0003', 'Makeenbooks Pvt Ltd', 'info@makeenbooks.com', '441, Galle road, Colombo - 03, Colombo', NULL, NULL, NULL, NULL, NULL, 'Yes', 'Good', NULL, NULL, NULL),  
6 ('SP0004', 'Cybergate Services (Pvt) Ltd', 'print@cybergate.lk', '57A,Soratha Mw,Gangodawila,Nugegoda', NULL, NULL, NULL, NULL, NULL, 'Yes', 'Good', NULL, NULL, NULL),  
7 ('SP0005', 'Galle Printers (Pvt) Ltd', 'galleprint@gmail.com', '41 Suderis Silva Mw, Horana', NULL, NULL, NULL, NULL, NULL, 'Yes', 'Good', NULL, NULL, NULL),  
8 ('SP0006', 'Sathara Prakasakayo (Pvt) Ltd', 'sathara@sathara.com', '122,Awissawella Road,Maharagama', NULL, NULL, NULL, NULL, NULL, 'Yes', 'Good', NULL, NULL, NULL);  
9
```

Output

| | <input type="button" value="←"/> <input type="button" value="→"/> | <input type="button" value="▼"/> | Supplier_ID | Supplier_name | Email | Address | Indic | Skills_ | Profes | Work_ | Availat | Com | Financi | Referen | Insuran | Compli | |
|--------------------------|---|-------------------------------------|---------------------------------------|---------------|-------------------------------|-----------------------------------|--|---------|--------|-------|---------|------|---------|---------|---------|--------|------|
| <input type="checkbox"/> | <input type="button" value="Edit"/> | <input type="button" value="Copy"/> | <input type="button" value="Delete"/> | SP0001 | ATLAS AXILLIA COMPANY PVT LTD | customerfeedback@atlasaxillia.com | 96, Parakrama Road, Old Kandy Rd, Peliyagoda 11830 | NULL | NULL | NULL | NULL | NULL | Yes | Good | NULL | NULL | NULL |
| <input type="checkbox"/> | <input type="button" value="Edit"/> | <input type="button" value="Copy"/> | <input type="button" value="Delete"/> | SP0002 | Printexel (Private) Limited | info@promateworld.com | 164/4 Seelawimala Mawatha, 10150 | NULL | NULL | NULL | NULL | NULL | Yes | Good | NULL | NULL | NULL |
| <input type="checkbox"/> | <input type="button" value="Edit"/> | <input type="button" value="Copy"/> | <input type="button" value="Delete"/> | SP0003 | Makeenbooks Pvt Ltd | info@makeenbooks.com | 441, Galle road, Colombo - 03, Colombo | NULL | NULL | NULL | NULL | NULL | Yes | Good | NULL | NULL | NULL |
| <input type="checkbox"/> | <input type="button" value="Edit"/> | <input type="button" value="Copy"/> | <input type="button" value="Delete"/> | SP0004 | Cybergate Services (Pvt) Ltd | print@cybergate.lk | 57A,Soratha Mw,Gangodawila,Nugegoda | NULL | NULL | NULL | NULL | NULL | Yes | Good | NULL | NULL | NULL |
| <input type="checkbox"/> | <input type="button" value="Edit"/> | <input type="button" value="Copy"/> | <input type="button" value="Delete"/> | SP0005 | Galle Printers (Pvt) Ltd | galleprint@gmail.com | 41 Suderis Silva Mw, Horana | NULL | NULL | NULL | NULL | NULL | Yes | Good | NULL | NULL | NULL |
| <input type="checkbox"/> | <input type="button" value="Edit"/> | <input type="button" value="Copy"/> | <input type="button" value="Delete"/> | SP0006 | Sathara Prakasakayo (Pvt) Ltd | sathara@sathara.com | 122.Awissawella Road,Maharagama | NULL | NULL | NULL | NULL | NULL | Yes | Good | NULL | NULL | NULL |

Check all *With selected:*

Contact_number Data

Code

```

INSERT INTO `contact_number` ('Supplier_ID', 'Contact_number')
VALUES
('SP0001', '+11 53 203 2012'),
('SP0001', '+94 77 141 0410'),
('SP0002', '+11 25 627 7175'),
('SP0003', '+94 11 280 1283'),
('SP0003', '+94 75 378 3783'),
('SP0004', '+94 11 248 1878'),
('SP0004', '+94 75 789 3756'),
('SP0005', '+94 77 608 9450'),
('SP0005', '+94 11 285 0981'),
('SP0006', '+94 71 842 8071');

```

```

1 INSERT INTO `contact_number` (`Supplier_ID`, `Contact_number`)
2 VALUES
3 ('SP0001', '+11 53 203 2012'),
4 ('SP0001', '+94 77 141 0410'),
5 ('SP0002', '+11 25 627 7175'),
6 ('SP0003', '+94 11 280 1283'),
7 ('SP0003', '+94 75 378 3783'),
8 ('SP0004', '+94 11 248 1878'),
9 ('SP0004', '+94 75 789 3756'),
10 ('SP0005', '+94 77 608 9450'),
11 ('SP0005', '+94 11 285 0981'),
12 ('SP0006', '+94 71 842 8071');

```

Output

| | <input type="checkbox"/> Edit | Copy | Delete | Supplier_ID | Contact_number |
|--------------------------|-------------------------------|------|--------|-------------|----------------|
| <input type="checkbox"/> | | | | SP0001 | +11 53 203 2 |
| <input type="checkbox"/> | | | | SP0001 | +94 77 141 0 |
| <input type="checkbox"/> | | | | SP0002 | +11 25 627 7 |
| <input type="checkbox"/> | | | | SP0003 | +94 11 280 1 |
| <input type="checkbox"/> | | | | SP0003 | +94 75 378 3 |
| <input type="checkbox"/> | | | | SP0004 | +94 11 248 1 |
| <input type="checkbox"/> | | | | SP0004 | +94 75 789 3 |
| <input type="checkbox"/> | | | | SP0005 | +94 11 285 0 |
| <input type="checkbox"/> | | | | SP0005 | +94 77 608 9 |
| <input type="checkbox"/> | | | | SP0006 | +94 71 842 8 |



Check all

With selected:

Edit

Copy

Delete

Export

Supplied_Item Data

Code

```
INSERT INTO `supplied_item` ('Supplier_ID', 'Item_code')
VALUES
('SP0001', 'OG001'),
('SP0001', 'OG002'),
('SP0001', 'OG003'),
('SP0001', 'OG004'),
('SP0001', 'ST002'),
('SP0001', 'ST003'),
('SP0001', 'ST005'),
('SP0001', 'ST006'),
('SP0001', 'ST007'),
('SP0001', 'ST008'),
('SP0001', 'ST010'),
('SP0002', 'OG003'),
('SP0002', 'ST001'),
('SP0002', 'ST004'),
('SP0002', 'ST009'),
('SP0003', 'BK001'),
('SP0003', 'BK005'),
('SP0004', 'BK002'),
('SP0004', 'BK007'),
('SP0005', 'BK004'),
('SP0005', 'BK006'),
('SP0005', 'BK008'),
('SP0006', 'BK003'),
('SP0006', 'BK009');
```

```
1 INSERT INTO `supplied_item` (`Supplier_ID`, `Item_code`)
2 VALUES
3 ('SP0001', 'OG001'),
4 ('SP0001', 'OG002'),
5 ('SP0001', 'OG003'),
6 ('SP0001', 'OG004'),
7 ('SP0001', 'ST002'),
8 ('SP0001', 'ST003'),
9 ('SP0001', 'ST005'),
10 ('SP0001', 'ST006'),
11 ('SP0001', 'ST007'),
12 ('SP0001', 'ST008'),
13 ('SP0001', 'ST010'),
14 ('SP0002', 'OG003'),
15 ('SP0002', 'ST001'),
16 ('SP0002', 'ST004'),
17 ('SP0002', 'ST009'),
18 ('SP0003', 'BK001'),
19 ('SP0003', 'BK005'),
20 ('SP0004', 'BK002'),
21 ('SP0004', 'BK007'),
22 ('SP0005', 'BK004'),
23 ('SP0005', 'BK006'),
24 ('SP0005', 'BK008'),
25 ('SP0006', 'BK003'),
26 ('SP0006', 'BK009');
```

Output

| | <input type="button" value="←"/> | <input type="button" value="→"/> | | Supplier_ID | Item_code | | | |
|--------------------------|----------------------------------|----------------------------------|--|-------------|-----------|--------|--------|-------|
| <input type="checkbox"/> | | Edit | | Copy | | Delete | SP0001 | OG001 |
| <input type="checkbox"/> | | Edit | | Copy | | Delete | SP0001 | OG002 |
| <input type="checkbox"/> | | Edit | | Copy | | Delete | SP0001 | OG003 |
| <input type="checkbox"/> | | Edit | | Copy | | Delete | SP0001 | OG004 |
| <input type="checkbox"/> | | Edit | | Copy | | Delete | SP0001 | ST002 |
| <input type="checkbox"/> | | Edit | | Copy | | Delete | SP0001 | ST003 |
| <input type="checkbox"/> | | Edit | | Copy | | Delete | SP0001 | ST005 |
| <input type="checkbox"/> | | Edit | | Copy | | Delete | SP0001 | ST006 |
| <input type="checkbox"/> | | Edit | | Copy | | Delete | SP0001 | ST007 |
| <input type="checkbox"/> | | Edit | | Copy | | Delete | SP0001 | ST008 |
| <input type="checkbox"/> | | Edit | | Copy | | Delete | SP0001 | ST010 |
| <input type="checkbox"/> | | Edit | | Copy | | Delete | SP0002 | OG003 |
| <input type="checkbox"/> | | Edit | | Copy | | Delete | SP0002 | ST001 |
| <input type="checkbox"/> | | Edit | | Copy | | Delete | SP0002 | ST004 |
| <input type="checkbox"/> | | Edit | | Copy | | Delete | SP0002 | ST009 |
| <input type="checkbox"/> | | Edit | | Copy | | Delete | SP0003 | BK001 |
| <input type="checkbox"/> | | Edit | | Copy | | Delete | SP0003 | BK005 |
| <input type="checkbox"/> | | Edit | | Copy | | Delete | SP0004 | BK002 |
| <input type="checkbox"/> | | Edit | | Copy | | Delete | SP0004 | BK007 |
| <input type="checkbox"/> | | Edit | | Copy | | Delete | SP0005 | BK004 |
| <input type="checkbox"/> | | Edit | | Copy | | Delete | SP0005 | BK006 |
| <input type="checkbox"/> | | Edit | | Copy | | Delete | SP0005 | BK008 |
| <input type="checkbox"/> | | Edit | | Copy | | Delete | SP0006 | BK003 |
| <input type="checkbox"/> | | Edit | | Copy | | Delete | SP0006 | BK009 |



Check all

With selected:

Edit

Copy

Delete

Export

Receipt Data

Code

```
INSERT INTO `receipt` ('Order_ID', 'Item_code', 'Payment_ID')
VALUES
('OD00101', 'BK007', 'PAY202302020001'),
('OD00101', 'BK002', 'PAY202302020001'), ('OD00101',
'ST002', 'PAY202302020001'),
('OD00102', 'BK003', 'PAY202303140001'),
('OD00103', 'ST001', 'PAY202304230001'),
('OD00103', 'ST004', 'PAY202304230001'),
('OD00103', 'ST009', 'PAY202304230001'),
('OD00104', 'BK008', 'PAY202304250001'),
('OD00104', 'BK004', 'PAY202304250001'),
('OD00105', 'BK007', 'PAY202305100001'),
('OD00105', 'ST002', 'PAY202305100001'),
('OD00106', 'OG005', 'PAY202306010002'),
('OD00107', 'ST007', 'PAY202307300001'),
('OD00108', 'ST003', 'PAY202308010001'),
('OD00109', 'ST010', 'PAY202308040001'),
('OD00109', 'BK001', 'PAY202308040001'),
('OD00109', 'ST003', 'PAY202308040001'),
('OD00110', 'OG004', 'PAY202308150001'),
('OD00111', 'BK003', 'PAY202308240001'),
('OD00111', 'BK005', 'PAY202308240001'),
('OD00112', 'OG003', 'PAY202309020001'),
('OD00112', 'ST005', 'PAY202309020001'),
('OD00113', 'ST002', 'PAY202309140001'),
('OD00114', 'OG002', 'PAY202310140001'),
('OD00115', 'BK003', 'PAY202310150001'),
('OD00115', 'BK005', 'PAY202310150001'),
('OD00116', 'ST001', 'PAY202310160001'),
```

('OD00116', 'ST006', 'PAY202310160001'),
('OD00117', 'ST001', 'PAY202310260001'), ('OD00117',
'BK006', 'PAY202310260001'),
('OD00117', 'OG001', 'PAY202310260001'),
('OD00117', 'ST006', 'PAY202310260001'), ('OD00118',
'BK009', 'PAY202311100001'),
('OD00118', 'ST005', 'PAY202311100001');

```
1 INSERT INTO `receipt`(`Order_ID`, `Item_code`, `Payment_ID`)
2 VALUES
3 ('OD00101', 'BK007', 'PAY202302020001'),
4 ('OD00101', 'BK002', 'PAY202302020001'),
5 ('OD00101', 'ST002', 'PAY202302020001'),
6 ('OD00102', 'BK003', 'PAY202303140001'),
7 ('OD00103', 'ST001', 'PAY202304230001'),
8 ('OD00103', 'ST004', 'PAY202304230001'),
9 ('OD00103', 'ST009', 'PAY202304230001'),
10 ('OD00104', 'BK008', 'PAY202304250001'),
11 ('OD00104', 'BK004', 'PAY202304250001'),
12 ('OD00105', 'BK007', 'PAY202305100001'),
13 ('OD00105', 'ST002', 'PAY202305100001'),
14 ('OD00106', 'OG005', 'PAY202306010002'),
15 ('OD00107', 'ST007', 'PAY202307300001'),
16 ('OD00108', 'ST003', 'PAY202308010001'),
17 ('OD00109', 'ST010', 'PAY202308040001'),
18 ('OD00109', 'BK001', 'PAY202308040001'),
19 ('OD00109', 'ST003', 'PAY202308040001'),
20 ('OD00110', 'OG004', 'PAY202308150001'),
21 ('OD00111', 'BK003', 'PAY202308240001'),
22 ('OD00111', 'BK005', 'PAY202308240001'),
23 ('OD00112', 'OG003', 'PAY202309020001'),
24 ('OD00112', 'ST005', 'PAY202309020001'),
25 ('OD00113', 'ST002', 'PAY202309140001'),
26 ('OD00114', 'OG002', 'PAY202310140001'),
27 ('OD00115', 'BK003', 'PAY202310150001'),
28 ('OD00115', 'BK005', 'PAY202310150001'),
29 ('OD00116', 'ST001', 'PAY202310160001'),
30 ('OD00116', 'ST006', 'PAY202310160001'),
31 ('OD00117', 'ST001', 'PAY202310260001'),
32 ('OD00117', 'BK006', 'PAY202310260001'),
33 ('OD00117', 'OG001', 'PAY202310260001'),
34 ('OD00117', 'ST006', 'PAY202310260001'),
35 ('OD00118', 'BK009', 'PAY202311100001'),
36 ('OD00118', 'ST005', 'PAY202311100001');
```

Output

| | | Order_ID | Item_code | Payment_ID |
|--------------------------|--|--|--|-------------------------------|
| <input type="checkbox"/> |  Edit |  Copy |  Delete | OD00101 BK002 PAY202302020001 |
| <input type="checkbox"/> |  Edit |  Copy |  Delete | OD00101 BK007 PAY202302020001 |
| <input type="checkbox"/> |  Edit |  Copy |  Delete | OD00101 ST002 PAY202302020001 |
| <input type="checkbox"/> |  Edit |  Copy |  Delete | OD00102 BK003 PAY202303140001 |
| <input type="checkbox"/> |  Edit |  Copy |  Delete | OD00103 ST001 PAY202304230001 |
| <input type="checkbox"/> |  Edit |  Copy |  Delete | OD00103 ST004 PAY202304230001 |
| <input type="checkbox"/> |  Edit |  Copy |  Delete | OD00103 ST009 PAY202304230001 |
| <input type="checkbox"/> |  Edit |  Copy |  Delete | OD00104 BK004 PAY202304250001 |
| <input type="checkbox"/> |  Edit |  Copy |  Delete | OD00104 BK008 PAY202304250001 |
| <input type="checkbox"/> |  Edit |  Copy |  Delete | OD00105 BK007 PAY202305100001 |
| <input type="checkbox"/> |  Edit |  Copy |  Delete | OD00105 ST002 PAY202305100001 |
| <input type="checkbox"/> |  Edit |  Copy |  Delete | OD00106 OG005 PAY202306010002 |
| <input type="checkbox"/> |  Edit |  Copy |  Delete | OD00107 ST007 PAY202307300001 |
| <input type="checkbox"/> |  Edit |  Copy |  Delete | OD00108 ST003 PAY202308010001 |
| <input type="checkbox"/> |  Edit |  Copy |  Delete | OD00109 BK001 PAY202308040001 |
| <input type="checkbox"/> |  Edit |  Copy |  Delete | OD00109 ST003 PAY202308040001 |
| <input type="checkbox"/> |  Edit |  Copy |  Delete | OD00109 ST010 PAY202308040001 |
| <input type="checkbox"/> |  Edit |  Copy |  Delete | OD00110 OG004 PAY202308150001 |
| <input type="checkbox"/> |  Edit |  Copy |  Delete | OD00111 BK003 PAY202308240001 |
| <input type="checkbox"/> |  Edit |  Copy |  Delete | OD00111 BK005 PAY202308240001 |
| <input type="checkbox"/> |  Edit |  Copy |  Delete | OD00112 OG003 PAY202309020001 |
| <input type="checkbox"/> |  Edit |  Copy |  Delete | OD00112 ST005 PAY202309020001 |
| <input type="checkbox"/> |  Edit |  Copy |  Delete | OD00113 ST002 PAY202309140001 |
| <input type="checkbox"/> |  Edit |  Copy |  Delete | OD00114 OG002 PAY202310140001 |
| <input type="checkbox"/> |  Edit |  Copy |  Delete | OD00115 BK003 PAY202310150001 |



Check all

With selected:

 Edit

 Copy

 Delete

 Export

Database final output

| Table | Action | Rows | Type | Collation | Size | Overhead |
|-----------------|--------|------|--------|--------------------|-----------|----------|
| book_item | | 9 | InnoDB | utf8mb4_general_ci | 32.0 KiB | - |
| contact_number | | 10 | InnoDB | utf8mb4_general_ci | 32.0 KiB | - |
| customer | | 10 | InnoDB | utf8mb4_general_ci | 48.0 KiB | - |
| item | | 24 | InnoDB | utf8mb4_general_ci | 16.0 KiB | - |
| order | | 18 | InnoDB | utf8mb4_general_ci | 32.0 KiB | - |
| payment | | 18 | InnoDB | utf8mb4_general_ci | 16.0 KiB | - |
| receipt | | 34 | InnoDB | utf8mb4_general_ci | 48.0 KiB | - |
| stationary_item | | 10 | InnoDB | utf8mb4_general_ci | 16.0 KiB | - |
| supplied_item | | 24 | InnoDB | utf8mb4_general_ci | 32.0 KiB | - |
| supplier | | 6 | InnoDB | utf8mb4_general_ci | 32.0 KiB | - |
| 10 tables | Sum | 163 | InnoDB | utf8mb4_general_ci | 304.0 KiB | 0 B |

Check all

With selected:

Section 4: Data Manipulation with SQL

- a. Display the ISBN, title, category, and author of all the database management related books published by Pearson and Springer, along with all the books written by Ramez Elmasri.

Code

```
SELECT ISBN,Titel,Category,Author  
FROM book_item  
WHERE Publisher LIKE '%Pearson%' AND Author LIKE '%Ramez Elmasri%' ;
```

```
1 SELECT ISBN,Titel,Category,Author  
2 FROM book_item  
3 WHERE Publisher LIKE '%Pearson%' AND Author LIKE '%Ramez Elmasri%'  
4
```

Output

| | ISBN | Titel | Category | Author |
|--------------------------|---------------|--|---------------|---------------------------------|
| <input type="checkbox"/> | 9780133970777 | Fundamentals of Database systems 7th edition | Database Book | Ramez Elmasri,Shamkant Navathe |
| <input type="checkbox"/> | 9789332582705 | Database Systems: Models, Languages, Design, and | Database Book | Ramez Elmasri, Shamkant Navathe |
| <input type="checkbox"/> | 9780582844339 | Fundamentals of Database Systems: SQL Introduction | Database Book | Ramez Elmasri, Shamkant Navathe |
| <input type="checkbox"/> | 9780805317558 | Advance Database Management System | Database Book | Ramez Elmasri, Shamkant Navathe |

b. Display the name (should appear in a single field), and the contact details of the customers who has places more than 2 orders within the last 6 months along with the number of orders they have placed.

Code

```
SELECT CONCAT(C.First_name,' ',C.Surname) AS 'Full Name',C.Contact_number,C.Address,COUNT(*) AS 'Order Count'  
FROM `order` AS O JOIN customer AS C  
ON O.Customer_ID = C.Customer_ID  
WHERE Order_date > '2023.06.02'  
GROUP BY CONCAT(C.First_name,' ',C.Surname)  
HAVING COUNT(*) > 2 ;
```

```
1 SELECT CONCAT(C.First_name, ' ',C.Surname) AS 'Full Name',C.Contact_number,C.Address,COUNT(*) AS 'Order Count'  
2 FROM `order` AS O JOIN customer AS C  
3 ON O.Customer_ID = C.Customer_ID  
4 WHERE Order_date > '2023.06.02'  
5 GROUP BY CONCAT(C.First_name,' ',C.Surname)  
6 HAVING COUNT(*) > 2
```

Output

| Full Name | Contact_number | Address | Order Count |
|---------------|----------------|---------------------------------------|-------------|
| Roshan Mendis | 0714879823 | No.20, Dutugamunu Street,Kohuwala | 4 |
| Senura Alwis | 0711234567 | 135/6 Street, Josephs Street, Colombo | 3 |



Show all

Number of rows:

25

Filter rows:

Search this table

Reference list

SQL tutorial (no date) *W3schools.com*. Available at: <https://www.w3schools.com/sql/default.asp> (Accessed: December 4, 2023).

Ramez Elmasri, S. B. N. *et al.* (no date) *Books by Ramez Elmasri*, *Goodreads.com*. Available at: https://www.goodreads.com/author/list/93469.Ramez_Elmasri (Accessed: December 4, 2023).