



GROUP ASSIGNMENT

TECHNOLOGY PARK MALAYSIA

AICT005-4-1- DAS

DATABASE SYSTEMS

UCDF2005(1) ICT(DI)

DAS Assignment Part 2 (Group 2)

Case Study: APU's E-Bookstore

Group Members:

- | | |
|----------------------|----------|
| 1. Chan Ming Li | TP060774 |
| 2. Leanne Ooi Xin Ru | TP059138 |
| 3. Lim Jia Yong | TP059192 |

Hand out Date: 23rd of March 2021

Hand in Date: 11th of June 2021

Weightage: 60%

Lecturer Name: Ms. Seetha Letchumy

Table of Contents

1.0 Introduction.....	2
2.0 Database Schema	3
2.1 Finalized Entity Relationship Diagram (ERD)	3
2.2 Relational Schema	3
2.3 Normalization	4
2.4 Relational Schema in 3NF	6
2.5 Data Dictionary.....	7
2.6 Database Diagram.....	11
3.0 SQL – Data Definition Language (DDL)	12
3.1 Table Creation.....	12
3.2 Data Insertion.....	14
4.0 SQL – Data Manipulation Language (DML).....	45
5.0 Conclusion	51
References.....	52

1.0 Introduction

This report documents the complete process of designing and implementing a new database system for *APU's e-Bookstore*. There are no major changes prior to the entity relationship diagram (ERD) designed earlier, and the finalized ERD has been included in this report. Normalization of up to third normal form (3NF) has been implemented to reduce data redundancy as well. In order to have a clear illustration and visualization of the newly designed database, data dictionary is generated based on the relational schema in 3NF. Subsequently, implementation of database begins in which tables are created and appropriate data are inserted into each table through *SQL Server*. Finally, SQL query statements are written to query necessary information from the database with all executed results screen captured and provided in this report.

2.0 Database Schema

2.1 Finalized Entity Relationship Diagram (ERD)

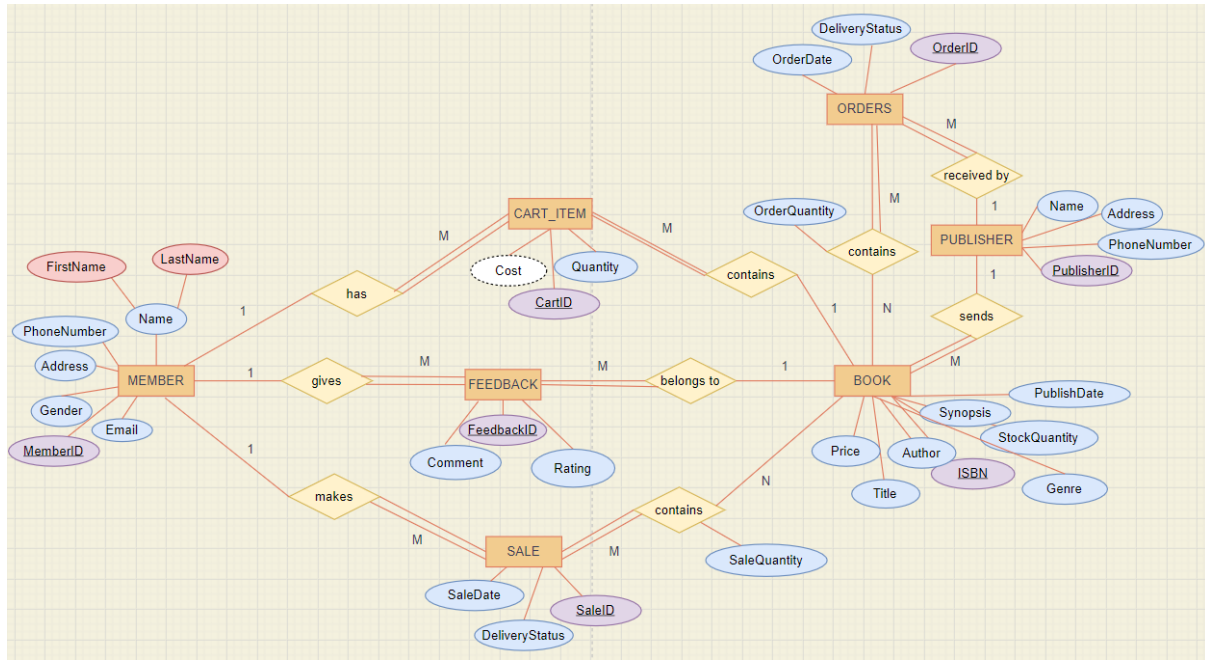


Figure 2.1: Finalized ERD for APU's E-Bookstore

2.2 Relational Schema

1. **ORDERS** (OrderID, OrderDate, DeliveryStatus, *PublisherID* (foreign key))
2. **PUBLISHER** (PublisherID, Name, Address, PhoneNumber)
3. **BOOK** (ISBN, Title, Price, Synopsis, PublishDate, StockQuantity, Genre, Author, *PublisherID* (foreign key))
4. **BOOK – ORDERS** (ISBN (foreign key 1), OrderID (foreign key 2), OrderQuantity)
5. **SALE** (SaleID, SaleDate, DeliveryStatus, *MemberID* (foreign key))
6. **BOOK - SALE** (ISBN (foreign key 1), SaleID (foreign key 2), SaleQuantity)
7. **CART_ITEM** (CartID, Quantity, *MemberID* (foreign key 1), *ISBN* (foreign key 2))
8. **MEMBER** (MemberID, FirstName, LastName, Gender, Email, Address, PhoneNumber)
9. **FEEDBACK** (FeedbackID, Comment, Rating, *MemberID* (foreign key 1), *ISBN* (foreign key 2))

2.3 Normalization

1. Relation: **ORDERS** (OrderID, OrderDate, DeliveryStatus, *PublisherID* (foreign key))

Functional Dependencies:

OrderID \rightarrow OrderDate, DeliveryStatus, PublisherID (full dependency)

There are no partial or transitive dependencies in this relation, hence the ORDER relation has achieved 3NF.

2. Relation: **PUBLISHER** (PublisherID, Name, Address, PhoneNumber)

Functional Dependencies:

PublisherID \rightarrow Name, Address, PhoneNumber (full dependency)

No partial or transitive dependencies exist in this relation, therefore PUBLISHER relation is already in 3NF.

3. Relation: **BOOK** (ISBN, Title, Price, Synopsis, PublishDate, StockQuantity, Genre, Author, *PublisherID* (foreign key))

Functional Dependencies:

ISBN \rightarrow Title, Price, Synopsis, PublishDate, StockQuantity, Genre, Author, PublisherID (full dependency)

The PUBLISHER relation is already in 3NF as there are no partial or transitive dependencies found in this relation.

4. Relation: **BOOK – ORDERS** (ISBN (foreign key 1), OrderID (foreign key 2), OrderQuantity)

Functional Dependencies:

ISBN, OrderID \rightarrow OrderQuantity (full dependency)

The BOOK-ORDER relation has already achieved 3NF since there are no partial or transitive dependencies in this relation.

5. Relation: **SALE** (SaleID, SaleDate, DeliveryStatus, *MemberID* (foreign key))

Functional Dependencies:

SaleID → SaleDate, DeliveryStatus, MemberID (full dependency)

There are no partial or transitive dependencies in the relation above, hence SALE relation has achieved 3NF.

6. Relation: **BOOK-SALE** (ISBN (foreign key 1), SaleID (foreign key 2), SaleQuantity)

Functional Dependencies:

ISBN, SaleID → SaleQuantity (full dependency)

The relation above is already in 3NF as there are no partial or transitive dependencies found in BOOK-SALE relation.

7. Relation: **CART_ITEM** (CartID, Quantity, *MemberID* (foreign key 1), *ISBN* (foreign key 2))

Functional Dependencies:

CartID → Quantity, MemberID, ISBN (full dependency)

3NF has been achieved in CART_ITEM relation as there are no partial or transitive dependencies found.

8. Relation: **MEMBER** (MemberID, FirstName, LastName, Gender, Email, Address, PhoneNumber)

Functional Dependencies:

MemberID → FirstName, LastName, Gender, Email, Address, PhoneNumber (full dependency)

MEMBER relation has achieved 3NF as all partial dependencies and transitive dependencies are non-existent.

9. Relation: **FEEDBACK** (FeedbackID, Comment, Rating, *MemberID* (foreign key 1), *ISBN* (foreign key 2))

Functional Dependencies:

FeedbackID → Comment, Rating, MemberID ISBN (full dependency)

The relation above is already in 3NF as partial dependencies or transitive dependencies are not found in the FEEDBACK relation.

2.4 Relational Schema in 3NF

ORDERS (OrderID, OrderDate, DeliveryStatus, *PublisherID* (foreign key))

PUBLISHER (PublisherID, Name, Address, PhoneNumber)

BOOK (ISBN, Title, Price, Synopsis, PublishDate, StockQuantity, Genre, Author, *PublisherID* (foreign key))

BOOK – ORDERS (*ISBN* (foreign key 1), OrderID (foreign key 2), OrderQuantity)

SALE (SaleID, SaleDate, DeliveryStatus, *MemberID* (foreign key))

BOOK-SALE (*ISBN* (foreign key 1), SaleID (foreign key 2), SaleQuantity)

CART_ITEM (CartID, Quantity, *MemberID* (foreign key 1), *ISBN* (foreign key 2))

MEMBER (MemberID, FirstName, LastName, Gender, Email, Address, PhoneNumber)

FEEDBACK (FeedbackID, Comment, Rating, *MemberID* (foreign key 1), *ISBN* (foreign key))

2.5 Data Dictionary

The data dictionary below stores a collection of database tables that will be implemented in SQL Server (essentialSQL, 2018). Attribute name, content, type, format, range, field requirement, primary key / foreign key, and referenced table are among the database items covered by the dictionary.

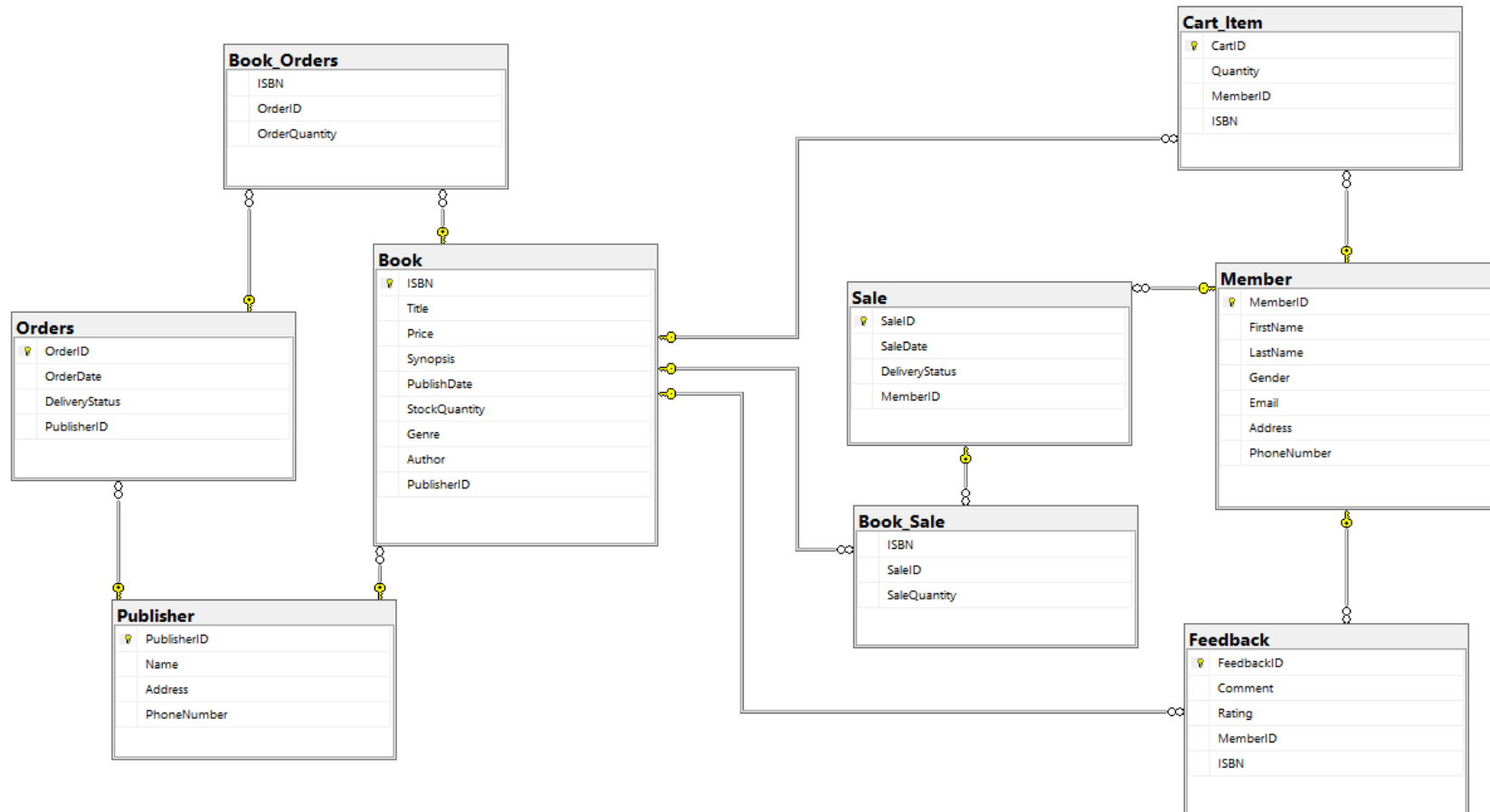
TABLE NAME	ATTRIBUTE NAME	CONTENTS	TYPE	FORMAT	RANGE	REQUIRED	PK OR FK	REFERENCED TABLE
PUBLISHER	PublisherID	Publisher ID	CHAR (5)	P9999		Y	PK	
	Name	Publisher name	VARCHAR (50)	X (x50)		Y		
	Address	Publisher address	VARCHAR (255)	X (x255)		Y		
	PhoneNumber	Publisher phone number	CHAR (12)	999-99999999		Y		
MEMBER	MemberID	Member ID	CHAR (5)	M9999		Y	PK	
	FirstName	Member first name	VARCHAR (25)	X (x25)		Y		
	LastName	Member last name	VARCHAR (25)	X (x25)		Y		
	Gender	Member gender	CHAR (1)	X	M = Male F = Female	Y		

	Email	Member email	VARCHAR (30)	X (x30)		Y		
	Address	Member address	VARCHAR (255)	X (x255)		Y		
	PhoneNumber	Member contact number	CHAR (12)	999-99999999		Y		
ORDERS	OrderID	Order ID	CHAR (5)	O9999		Y	PK	
	OrderDate	Date of order	DATE	yyyy-mm-dd		Y		
	DeliveryStatus	Delivery status of order	VARCHAR (10)	X (x10)		Y		
	PublisherID	Publisher ID	CHAR (5)	P9999		Y	FK	PUBLISHER
BOOK	ISBN	Book ID	CHAR (20)	999-99-99999-99-9	000-00-00000-00-0 to 999-99-99999-99-9	Y	PK	
	Title	Book title	VARCHAR (50)	X (x50)		Y		
	Price	Price of book	DECIMAL (4,2)	9999.99	0.00 to 9999.99	Y		
	Synopsis	Book synopsis	VARCHAR (255)	X (x255)				
	PublishDate	Publish date of book	DATE	yyyy-mm-dd		Y		

	StockQuantity	Stock quantity of book	INTEGER	999	0 to 999	Y		
	Genre	Book genre	VARCHAR (15)	X (x15)				
	Author	Book author	VARCHAR (50)	X (x50)		Y		
	PublisherID	Publisher ID	CHAR (5)	P9999		Y	FK	PUBLISHER
BOOK-ORDERS	ISBN	Book ID	CHAR (20)	999-99-99999-99-9	000-00-00000-00-0 to 999-99-99999-99-9	Y	FK	BOOK
	OrderID	Order ID	CHAR (5)	O9999		Y	FK	ORDERS
	OrderQuantity	Number of orders	INTEGER	999	0 to 999	Y		
SALE	SaleID	Sale ID	CHAR (5)	S9999		Y	PK	
	SaleDate	Date of sale	DATE	yyyy-mm-dd		Y		
	DeliveryStatus	Delivery status of sales	VARCHAR (10)	X (x10)		Y		
	MemberID	Member ID	CHAR (5)	M9999		Y	FK	MEMBER
BOOK-SALE	ISBN	Book ID	CHAR (20)	999-99-99999-99-9	000-00-00000-00-0 to 999-99-99999-99-9	Y	FK	BOOK

	SaleID	Sale ID	CHAR (5)	S9999		Y	FK	SALE
	SaleQuantity	Number of books sold	INTEGER	999	0 to 999	Y		
CART_ITEM	CartID	Cart ID	CHAR (5)	C9999		Y	PK	
	Quantity	Number of items in cart	INTEGER	999	0 to 999	Y		
	MemberID	Member ID	CHAR (5)	M9999		Y	FK	MEMBER
	ISBN	Book ID	CHAR (20)	999-99-99999-99-9	000-00-00000-00-0 to 999-99-99999-99-9	Y	FK	BOOK
FEEDBACK	FeedbackID	Feedback ID	CHAR (5)	F9999		Y	PK	
	Comment	Comment on the book	VARCHAR (150)	X (x150)				
	Rating	Book rating	INTEGER	99	0 to 10	Y		
	MemberID	Member ID	CHAR (5)	M9999		Y	FK	MEMBER
	ISBN	Book ID	CHAR (20)	999-99-99999-99-9	000-00-00000-00-0 to 999-99-99999-99-9	Y	FK	BOOK

2.6 Database Diagram



3.0 SQL – Data Definition Language (DDL)

3.1 Table Creation

```
-- DAS Assignment (Group 2)
-- CREATE DATABASE
CREATE DATABASE E_Bookstore;
GO

USE E_Bookstore;
GO

-- CREATE TABLES
CREATE TABLE Publisher (
    PublisherID CHAR(5) PRIMARY KEY,
    Name VARCHAR(50) NOT NULL,
    Address VARCHAR(255) NOT NULL,
    PhoneNumber CHAR(12) NOT NULL );
GO

CREATE TABLE Member (
    MemberID CHAR(5) Primary Key,
    FirstName VARCHAR(25) NOT NULL,
    LastName VARCHAR(25) NOT NULL,
    Gender CHAR(1) NOT NULL,
    Email VARCHAR(50) NOT NULL,
    Address VARCHAR(255) NOT NULL,
    PhoneNumber CHAR(12) NOT NULL );
Go

CREATE TABLE Orders (
    OrderID CHAR(5) PRIMARY KEY,
    OrderDate DATE NOT NULL,
    DeliveryStatus VARCHAR(10) NOT NULL,
    PublisherID CHAR(5) NOT NULL REFERENCES Publisher(PublisherID) );
GO
```

```
CREATE TABLE Book (  
    ISBN CHAR(20) PRIMARY KEY,  
    Title VARCHAR(50) NOT NULL,  
    Price DECIMAL(4,2) NOT NULL,  
    Synopsis VARCHAR(255),  
    PublishDate DATE NOT NULL,  
    StockQuantity INTEGER NOT NULL,  
    Genre VARCHAR(15),  
    Author VARCHAR(50) NOT NULL,  
    PublisherID CHAR(5) NOT NULL REFERENCES Publisher(PublisherID) );  
GO
```

```
CREATE TABLE Book_Orders (  
    ISBN CHAR(20) NOT NULL REFERENCES BOOK(ISBN),  
    OrderID CHAR(5) NOT NULL REFERENCES Orders(OrderID),  
    OrderQuantity INTEGER NOT NULL,  
    PRIMARY KEY (ISBN, OrderID) );  
GO
```

```
CREATE TABLE Sale (  
    SaleID CHAR(5) PRIMARY KEY,  
    SaleDate DATE NOT NULL,  
    DeliveryStatus VARCHAR(10) NOT NULL,  
    MemberID CHAR(5) NOT NULL REFERENCES Member(MemberID) );  
GO
```

```
CREATE TABLE Book_Sale (  
    ISBN CHAR(20) NOT NULL REFERENCES Book(ISBN),  
    SaleID CHAR(5) NOT NULL REFERENCES Sale(SaleID),  
    SaleQuantity INTEGER NOT NULL,  
    PRIMARY KEY (ISBN, SaleID) );  
GO
```

```
CREATE TABLE Cart_Item (  
    CartID CHAR(5) PRIMARY KEY,  
    Quantity INTEGER NOT NULL,  
    MemberID CHAR(5) NOT NULL REFERENCES Member(MemberID),  
    ISBN CHAR(20) NOT NULL REFERENCES Book(ISBN) );  
GO
```

```
CREATE TABLE Feedback (  
    FeedbackID CHAR(5) PRIMARY KEY,  
    Comment VARCHAR(150),  
    Rating INTEGER NOT NULL,  
    MemberID CHAR(5) NOT NULL REFERENCES Member(MemberID),  
    ISBN CHAR(20) NOT NULL REFERENCES Book(ISBN) );  
GO
```

3.2 Data Insertion

PUBLISHER – 15 Values

```
-- Publisher (15 values)
INSERT INTO Publisher VALUES ('P0001', 'Alyson Books', '19 Jalan Pjs 11/7 Taman Bandar Sunway 46150 Petaling Jaya, Malaysia', '010-95382589');
INSERT INTO Publisher VALUES ('P0002', 'Anchor Book Press', '46A Jalan Serampang Taman Pelangi 80400 Johor, Malaysia', '010-53671855');
INSERT INTO Publisher VALUES ('P0003', 'Arcadia Publishing', '868 Jalan Subang 8 Taman Perindustrian Subang 47500, Petaling Jaya, Selangor, Malaysia', '010-98635921');
INSERT INTO Publisher VALUES ('P0004', 'Blackwell Publishing', '39 Jalan Utama 2/7 Taman Perindustrian Pcg Utama 47100 Puchong, Selangor, Malaysia', '014-40044268');
INSERT INTO Publisher VALUES ('P0005', 'Classiko Publishing', '15A Jalan Pembangunan Desa Rahmat 81200 Johor, Malaysia', '018-82277329');
INSERT INTO Publisher VALUES ('P0006', 'Conleyn Book Publishing', '85 Jalan Bendahara 31650 Ipoh, Perak, Malaysia', '018-47102238');
INSERT INTO Publisher VALUES ('P0007', 'Gerge Book Publishing', '23 Jalan Cengal 4 Taman Impian Ehsan 43300 Seri Kembangan, Malaysia', '010-44809593');
INSERT INTO Publisher VALUES ('P0008', 'MayerWood Publishing Co.', '19C Persiaran Greentown 7 Pusat Perdagangan 30450 Perak, Malaysia', '018-82203127');
INSERT INTO Publisher VALUES ('P0009', 'Mondo Publishing', '873 Jalan Sungai Dua 13800 Butterworth Pulau Pinang, Malaysia', '011-52530292');
INSERT INTO Publisher VALUES ('P0010', 'Morgan James Publishing', '19 Jalan Riang Utama Taman Gembira 81200 Johor, Malaysia', '010-95351579');
INSERT INTO Publisher VALUES ('P0011', 'Pars Books & Publishing', '20 Jalan Tpk 1/, Taman Perindustrian Kinrara, 47100, Puchong, Selangor, Malaysia', '013-46062361');
INSERT INTO Publisher VALUES ('P0012', 'Scholastic', 'No. 8 Jalan Tpp 1/6 Taman Industri Puchong 47100 Puchong, Selangor, Malaysia', '011-88691775');
INSERT INTO Publisher VALUES ('P0013', 'Sorriso Book Publishing', '29 Jalan Mewah 3/12 Taman Subang Mewah 47500 Petaling Jaya, Selangor, Malaysia', '018-61421437');
INSERT INTO Publisher VALUES ('P0014', 'The Publish Hut', '6 Persiaran Industri Bercham 6 Kawasan Industri Ringan Bercham 31400, Perak, Malaysia', '011-06571313');
INSERT INTO Publisher VALUES ('P0015', 'Zed Books', '21 Jalan 6/2 Taman Industri Selesa Jaya 43300 Seri Kembangan, Selangor, Malaysia', '010-79753943');
GO
```

<div> <div>Results</div> <div>Messages</div> </div>				
	PublisherID	Name	Address	PhoneNumber
1	P0001	Alyson Books	19 Jalan Pjs 11/7 Taman Bandar Sunway 46150 Petaling Jaya, Malaysia	010-95382589
2	P0002	Anchor Book Press	46A Jalan Serampang Taman Pelangi 80400 Johor, Malaysia	010-53671855
3	P0003	Arcadia Publishing	868 Jalan Subang 8 Taman Perindustrian Subang 47500, Petaling Jaya, Selangor, Malaysia	010-98635921
4	P0004	Blackwell Publishing	39 Jalan Utama 2/7 Taman Perindustrian Pcg Utama 47100 Puchong, Selangor, Malaysia	014-40044268
5	P0005	Classiko Publishing	15A Jalan Pembangunan Desa Rahmat 81200 Johor, Malaysia	018-82277329
6	P0006	Conleyn Book Publishing	85 Jalan Bendahara 31650 Ipoh, Perak, Malaysia	018-47102238
7	P0007	Gerge Book Publishing	23 Jalan Cengal 4 Taman Impian Ehsan 43300 Seri Kembangan, Malaysia	010-44809593
8	P0008	MayerWood Publishing Co.	19C Persiaran Greentown 7 Pusat Perdagangan 30450 Perak, Malaysia	018-82203127
9	P0009	Mondo Publishing	873 Jalan Sungai Dua 13800 Butterworth Pulau Pinang, Malaysia	011-52530292
10	P0010	Morgan James Publishing	19 Jalan Riang Utama Taman Gembira 81200 Johor, Malaysia	010-95351579
11	P0011	Pars Books & Publishing	20 Jalan Tpk 1/, Taman Perindustrian Kinrara, 47100, Puchong, Selangor, Malaysia	013-46062361
12	P0012	Scholastic	No. 8 Jalan Tpp 1/6 Taman Industri Puchong 47100 Puchong, Selangor, Malaysia	011-88691775
13	P0013	Sorriso Book Publishing	29 Jalan Mewah 3/12 Taman Subang Mewah 47500 Petaling Jaya, Selangor, Malaysia	018-61421437
14	P0014	The Publish Hut	6 Persiaran Industri Bercham 6 Kawasan Industri Ringan Bercham 31400, Perak, Malaysia	011-06571313
15	P0015	Zed Books	21 Jalan 6/2 Taman Industri Selesa Jaya 43300 Seri Kembangan, Selangor, Malaysia	010-79753943

MEMBER – 30 Values

```
-- Member (30 values)
INSERT INTO Member VALUES ('M0001', 'Jia Yong', 'Lim', 'F', 'tp059192@mail.apu.edu.my', 'No. 50, Jalan BK5/11, Bandar Kinrara, 47180 Puchong, Selangor, Malaysia.', '011-35153268');
INSERT INTO Member VALUES ('M0002', 'Leanne', 'Ooi', 'F', 'tp059138@mail.apu.edu.my', 'No. 559, Jalan SS23/11, Taman Sea, 47400 Petaling Jaya, Selangor, Malaysia.', '012-95132106');
INSERT INTO Member VALUES ('M0003', 'Adam', 'Chan', 'M', 'tp060774@mail.apu.edu.my', 'No. 7, Jalan 18/14 Seksyen 18 47800 Petaling Jaya, Selangor, Malaysia.', '011-16262219');
INSERT INTO Member VALUES ('M0004', 'Harry', 'Potter', 'M', 'tp061542@mail.apu.edu.my', 'No. 57 A, Jalan Meldrum, 80000 Johor Bahru, Johor, Malaysia.', '012-33037215');
INSERT INTO Member VALUES ('M0005', 'Ronald', 'Weasley', 'M', 'tp058462@mail.apu.edu.my', 'No. 25, Jalan Pju 8/3, Damansara Perdana, 47820 Petaling Jaya, Selangor, Malaysia.', '011-15370267');
INSERT INTO Member VALUES ('M0006', 'Hermione', 'Granger', 'F', 'tp057162@mail.apu.edu.my', 'No. 99, Jalan Pandan Indah 1/23A, Taman Pandan Indah, 55100 Kuala Lumpur, Malaysia.', '011-35253689');
INSERT INTO Member VALUES ('M0007', 'Draco', 'Malfoy', 'M', 'tp059462@mail.apu.edu.my', 'No. 255, Jalan Teratai, Taman Sultan Badlishah, 05050 Alor Setar, Kedah, Malaysia.', '019-61926726');
INSERT INTO Member VALUES ('M0008', 'Severus', 'Snape', 'M', 'severus@staffemail.apu.edu.my', 'No. 30, Jalan Ros Merah 2/16, Taman Jaya, 81100 Johor Bahru, Johor, Malaysia.', '017-34627319');
INSERT INTO Member VALUES ('M0009', 'Minerva', 'McGonagall', 'F', 'minerva@staffemail.apu.edu.my', 'No. 916, Jalan China Kuching, 93000 Kuching, Sarawak, Malaysia.', '017-67315978');
INSERT INTO Member VALUES ('M0010', 'Albus', 'Dumbledore', 'M', 'albus@staffemail.apu.edu.my', 'No. 88, Jalan 16/11, Off Jalan Damansara, 46350 Petaling Jaya, Malaysia.', '016-88134306');

INSERT INTO Member VALUES ('M0011', 'Yen Hui', 'Chew', 'F', 'tp060482@mail.apu.edu.my', 'No. 58, Jalan Kilang Midah, Taman Midah, 56000 Kuala Lumpur, Malaysia.', '016-39451651');
INSERT INTO Member VALUES ('M0012', 'Zhi Chin', 'Voon', 'F', 'tp061892@mail.apu.edu.my', 'No. 252, Jalan Riang, Taman Gembira, 57200 Kuala Lumpur, Malaysia.', '016-39419677');
INSERT INTO Member VALUES ('M0013', 'Chun Yee', 'Yap', 'M', 'tp061956@mail.apu.edu.my', 'No. 359, Jalan Jugra Off Lama Batu 3 1/4, 58000 Klang, Selangor, Malaysia.', '013-43185973');
INSERT INTO Member VALUES ('M0014', 'Howard', 'Yap', 'M', 'tp057512@mail.apu.edu.my', 'No. 69, Jalan Masjid Taiping, 34000 Taiping, Perak, Malaysia.', '017-69430815');
INSERT INTO Member VALUES ('M0015', 'David', 'Malan', 'M', 'davidmalan@staffemail.apu.edu.my', 'No. 294, Jalan Kipas 34/9, Seksyen 34 Bukit Kemuning Light Industrial Park, 40000 Shah Alam, Selangor, Malaysia.', '012-73891431');
INSERT INTO Member VALUES ('M0016', 'Jing Wen', 'Tee', 'F', 'tp058224@mail.apu.edu.my', 'No. 84, Jalan Gombak Batu 6 3/4, Kampung Simpang Tiga Gombak, 53100 Kuala Lumpur, Malaysia.', '012-73891431');
INSERT INTO Member VALUES ('M0017', 'Brian', 'Yu', 'M', 'brianyu@staffemail.apu.edu.my', 'No. 658, Lorong Selamat, 10400 Georgetown, Pulau Pinang, Malaysia.', '014-65892721');
INSERT INTO Member VALUES ('M0018', 'Fred', 'Weasley', 'M', 'tp059332@mail.apu.edu.my', 'No. 25, Jalan Pju 8/3, Damansara Perdana, 47820 Petaling Jaya, Selangor, Malaysia.', '019-55940586');
INSERT INTO Member VALUES ('M0019', 'Emma', 'Watson', 'F', 'tp061779@mail.apu.edu.my', 'No. 54, Jalan Sutera Taman Sentosa, 80150 Johor Bahru, Johor, Malaysia.', '013-50460892');
INSERT INTO Member VALUES ('M0020', 'Daniel', 'Humphrey', 'M', 'tp059431@mail.apu.edu.my', 'No. 90, Jalan Bandar 4, Taman Melawati Hulu, 53100 Klang, Selangor, Malaysia.', '016-43067208');

INSERT INTO Member VALUES ('M0021', 'Chuck', 'Bass', 'M', 'tp061558@mail.apu.edu.my', 'No. 195, Jalan Main Bazaar, 93000 Kuching, Sarawak, Malaysia.', '011-46298134');
INSERT INTO Member VALUES ('M0022', 'Serena', 'Woodson', 'F', 'tp060478@mail.apu.edu.my', 'No. 507, Jalan Bagan Ajam, 13000 Butterworth, Pulau Pinang, Malaysia.', '017-59064302');
INSERT INTO Member VALUES ('M0023', 'William', 'Wong', 'M', 'tp058493@mail.apu.edu.my', 'No. 54, Jalan Yap Lee, 28400 Mentakab, Pahang, Malaysia.', '014-62064054');
INSERT INTO Member VALUES ('M0024', 'Wei Kang', 'Tan', 'M', 'tp057943@mail.apu.edu.my', 'No. 920, Jalan Dato Abdul Malek, 70000 Seremban, Negeri Sembilan, Malaysia.', '014-56406926');
INSERT INTO Member VALUES ('M0025', 'Tom', 'Holland', 'M', 'tp058431@mail.apu.edu.my', 'No. 65, Jalan USJ 6/7 USJ 6, 47610 Petaling Jaya, Selangor, Malaysia.', '012-40656206');
INSERT INTO Member VALUES ('M0026', 'Blake', 'Lively', 'F', 'tp060666@mail.apu.edu.my', 'Lot 38, Jalan E1/4, Taman Ehsan Industrial Park, 52100 Kuala Lumpur, Malaysia.', '013-38613169');
INSERT INTO Member VALUES ('M0027', 'Taylor', 'Swift', 'F', 'tp061888@mail.apu.edu.my', 'No. 92, Jalan 6/118C, Desa Tun Razak Malaysia, 56000 Kuala Lumpur, Malaysia.', '012-12697615');
INSERT INTO Member VALUES ('M0028', 'Ryan', 'Reynolds', 'M', 'tp060988@mail.apu.edu.my', 'No. 4342, Jalan 1 Kampung Baru Salak Selatan, 57100 Kuala Lumpur, Malaysia.', '018-30662526');
INSERT INTO Member VALUES ('M0029', 'Erica', 'Lim', 'F', 'tp061986@mail.apu.edu.my', 'No. 570, Jalan Taman Kinta Taman Chateau, 60250 Ipoh, Perak, Malaysia.', '016-19762649');
INSERT INTO Member VALUES ('M0030', 'Felix', 'Kjelberg', 'M', 'felix@staffemail.apu.edu.my', 'No. 942, Lorong Tun Ismail 6, 25000 Kuantan, Pahang, Malaysia.', '019-34661623');
GO
```

Results		Messages					
	MemberID	FirstName	LastName	Gender	Email	Address	PhoneNumber
1	M0001	Jia Yong	Lim	F	tp059192@mail.apu.edu.my	No. 50, Jalan BK5/11, Bandar Kinrara, 47180 Puchong, Selangor, Malaysia.	011-35153268
2	M0002	Leanne	Ooi	F	tp059138@mail.apu.edu.my	No. 559, Jalan SS23/11, Taman Sea, 47400 Petaling Jaya, Selangor, Malaysia.	012-95132106
3	M0003	Adam	Chan	M	tp060774@mail.apu.edu.my	No. 7, Jalan 18/14 Seksyen 18 47800 Petaling Jaya, Selangor, Malaysia.	011-16262219
4	M0004	Harry	Potter	M	tp061542@mail.apu.edu.my	No. 57 A, Jalan Meldrum, 80000 Johor Bahru, Johor, Malaysia.	012-33037215
5	M0005	Ronald	Weasley	M	tp058462@mail.apu.edu.my	No. 25, Jalan Pju 8/3, Damansara Perdana, 47820 Petaling Jaya, Selangor, Malaysia.	011-15370267
6	M0006	Hermione	Granger	F	tp057162@mail.apu.edu.my	No. 99, Jalan Pandan Indah 1/23A, Taman Pandan Indah, 55100 Kuala Lumpur, Malaysia.	011-35253689
7	M0007	Draco	Malfoy	M	tp059462@mail.apu.edu.my	No. 255, Jalan Teratai, Taman Sultan Badlishah, 05050 Alor Setar, Kedah, Malaysia.	019-61926726
8	M0008	Severus	Snape	M	severus@staffemail.apu.edu.my	No. 30, Jalan Ros Merah 2/16, Taman Jaya, 81100 Johor Bahru, Johor, Malaysia.	017-34627319
9	M0009	Minerva	McGonagall	F	minerva@staffemail.apu.edu.my	No. 916, Jalan China Kuching, 93000 Kuching, Sarawak, Malaysia.	017-67315978
10	M0010	Albus	Dumbledore	M	albus@staffemail.apu.edu.my	No. 88, Jalan 16/11, Off Jalan Damansara, 46350 Petaling Jaya, Malaysia.	016-88134306
11	M0011	Yen Hui	Chew	F	tp060482@mail.apu.edu.my	No. 58, Jalan Kilang Midah, Taman Midah, 56000 Kuala Lumpur, Malaysia.	016-39451651
12	M0012	Zhi Chin	Voon	F	tp061892@mail.apu.edu.my	No. 252, Jalan Riang, Taman Gembira, 57200 Kuala Lumpur, Malaysia.	016-39419677
13	M0013	Chun Yee	Yap	M	tp061956@mail.apu.edu.my	No. 359, Jalan Jugra Off Lama Batu 3 1/4, 58000 Klang, Selangor, Malaysia.	013-43185973
14	M0014	Howard	Yap	M	tp057512@mail.apu.edu.my	No. 69, Jalan Masjid Taiping, 34000 Taiping, Perak, Malaysia.	017-69430815
15	M0015	David	Malan	M	davidmalan@staffemail.apu.edu.my	No. 294, Jalan Kipas 34/9, Seksyen 34 Bukit Kemuning Light Industrial Park, 40000 Shah Alam, Selangor, Malaysia.	012-22191523
16	M0016	Jing Wen	Tee	F	tp058224@mail.apu.edu.my	No. 84, Jalan Gombak Batu 6 3/4, Kampung Simpang Tiga Gombak, 53100 Kuala Lumpur, Malaysia.	012-73891431
17	M0017	Brian	Yu	M	brianyu@staffemail.apu.edu.my	No. 658, Lorong Selamat, 10400 Georgetown, Pulau Pinang, Malaysia.	014-65892721
18	M0018	Fred	Weasley	M	tp059332@mail.apu.edu.my	No. 25, Jalan Pju 8/3, Damansara Perdana, 47820 Petaling Jaya, Selangor, Malaysia.	019-55940586
19	M0019	Emma	Watson	F	tp061779@mail.apu.edu.my	No. 54, Jalan Sutera Taman Sentosa, 80150 Johor Bahru, Johor, Malaysia.	013-50460892
20	M0020	Daniel	Humphrey	M	tp059431@mail.apu.edu.my	No. 90, Jalan Bandar 4, Taman Melawati Hulu, 53100 Klang, Selangor, Malaysia.	016-43067208
21	M0021	Chuck	Bass	M	tp061558@mail.apu.edu.my	No. 195, Jalan Main Bazaar, 93000 Kuching, Sarawak, Malaysia.	011-46298134
22	M0022	Serena	Woodson	F	tp060478@mail.apu.edu.my	No. 507, Jalan Bagan Ayam, 13000 Butterworth, Pulau Pinang, Malaysia.	017-59064302
23	M0023	William	Wong	M	tp058493@mail.apu.edu.my	No. 54, Jalan Yap Lee, 28400 Mentakab, Pahang, Malaysia.	014-62064054
24	M0024	Wei Kang	Tan	M	tp057943@mail.apu.edu.my	No. 920, Jalan Dato Abdul Malek, 70000 Seremban, Negeri Sembilan, Malaysia.	014-56406926
25	M0025	Tom	Holland	M	tp058431@mail.apu.edu.my	No. 65, Jalan USJ 6/7 USJ 6, 47610 Petaling Jaya, Selangor, Malaysia.	012-40656206
26	M0026	Blake	Lively	F	tp060666@mail.apu.edu.my	Lot 38, Jalan E1/4, Taman Ehsan Industrial Park, 52100 Kuala Lumpur, Malaysia.	013-38613169
27	M0027	Taylor	Swift	F	tp061888@mail.apu.edu.my	No. 92, Jalan 6/118C, Desa Tun Razak Malaysia, 56000 Kuala Lumpur, Malaysia.	012-12697615
28	M0028	Ryan	Reynolds	M	tp060988@mail.apu.edu.my	No. 4342, Jalan 1 Kampung Baru Salak Selatan, 57100 Kuala Lumpur, Malaysia.	018-30662526
29	M0029	Erica	Lim	F	tp061986@mail.apu.edu.my	No. 570, Jalan Taman Kinta Taman Chateau, 60250 Ipoh, Perak, Malaysia.	016-19762649
30	M0030	Felix	Kjelberg	M	felix@staffemail.apu.edu.my	No. 942, Lorong Tun Ismail 6, 25000 Kuantan, Pahang, Malaysia.	019-34661623

BOOK – 50 Values

```
--BOOK
```

```

INSERT INTO Book VALUES ('978-12-34567-89-7', 'Clap When You Land', '34.50','Camino Rios lives for the summers when her father visits her in the Dominican Republic. But this time, on the day when his plane is supposed to land, Camino arrives at the airport to see crowds of crying people.', '2020-03-12', '300', 'Comedy', 'Elizabeth Acevedo', 'P0001');
INSERT INTO Book VALUES ('978-03-23456-16-0', 'A Good Girl Guide to Murder', '38.50','Pretty and popular high school senior Andie Bell was murdered by her boyfriend, Sal Singh, who then killed himself. It was all anyone could talk about. And five years later, Pip sees how the tragedy still haunts her town.', '2020-03-18', '350', 'Thriller', 'Holly Jackson', 'P0005');
INSERT INTO Book VALUES ('965-19-45632-99-0', 'One Of Us Is Next', '40.00','A ton of copycat gossip apps have popped up since Simon died, but in the year since the Bayview four were cleared of his shocking death, no one has been able to fill the gossip void quite like he could. The problem is no one has the facts.', '2020-04-01', '400', 'Horror', 'Karen M. Magnus', 'P0015');
INSERT INTO Book VALUES ('944-01-36667-66-3', 'Felix Ever After', '32.60','Felix Love has never been in love-and, yes, he's painfully aware of the irony. He desperately wants to know what it's like and why it seems so easy for everyone but him to find someone.', '2020-04-16', '440', 'Romance', 'Kacen Clendder', 'P0008');
INSERT INTO Book VALUES ('925-12-12352-03-5', 'You Should See Me In A Crown', '25.00','Liz Lighty has always believed she is too black, too poor, too awkward to shine in her small, rich, prom-obsessed midwestern town. But it is okay -- Liz has a plan that will get her out of Campbell, Indiana, forever: attend the uber.', '2020-04-28', '120', 'RomCom', 'Leah Johnson', 'P0011');
INSERT INTO Book VALUES ('922-24-29837-05-2', 'The Inheritance Game', '50.00','Avery Grambs has a plan for a better future: survive high school, win a scholarship, and get out. But her fortunes change in an instant when billionaire Tobias Hawthorne dies and leaves Avery virtually his entire fortune. The catch?', '2020-05-11', '500', 'Fantasy', 'Jennifer Lyn Barns', 'P0004');
INSERT INTO Book VALUES ('912-00-98283-43-6', 'The Hand On The Wall', '51.00','Ellingham Academy must be cursed. Three people are now dead. One, a victim of either a prank gone wrong or a murder. Another, dead by misadventure. And now, an accident in Burlington has claimed another life.', '2020-05-15', '150', 'Fantasy', 'Maureen Johnson', 'P0010');
INSERT INTO Book VALUES ('909-87-09485-33-1', 'Majesty', '15.40','Power is intoxicating. Like first love, it can leave you breathless. Princess Beatrice was born with it. Princess Samantha was born with less. Some, like Nina Gonzalez, are pulled into it. Ahem, we are looking at you Daphne Deighton.', '2020-05-29', '111', 'Comedy', 'Katherine McGee', 'P0005');
INSERT INTO Book VALUES ('910-90-03492-22-6', 'Tweet Cute', '20.00','All's fair in love and cheese – that is, until Pepper and Jack's spat turns into a viral Twitter war. Little do they know, while they're publicly duking it out with snarky memes and retweet battles.', '2020-06-18', '120', 'RomCom', 'Emma Lord', 'P0013');
INSERT INTO Book VALUES ('922-69-83927-11-3', 'I Feel Bad About My Neck', '67.00','With her disarming voice, and dry sense of humor, Nora Ephron shares with us her ups and downs, a look at women who are dealing with the tribulations of maintenance, menopause.', '2006-08-20', '43', 'Self-Enrichment', 'Nora Ephron', 'P0015');

```

```

INSERT INTO Book VALUES ('872-35-00928-00-9', 'Broken Glass', '44.44','Alain Mabanckou's riotous new novel centers on the patrons of a run-down bar in the Congo. In a country that appears to have forgotten the importance of remembering, a bar regular, Broken Glass has been elected to record their stories for posterity.', '2005-01-11', '120', 'Cultural', 'Alain Mabanckou', 'P0004');
INSERT INTO Book VALUES ('832-56-09478-33-8', 'A Little Life', '77.00',' Yet their greatest challenge, each comes to realize, is Jude himself, by midlife a terrifyingly talented litigator yet an increasingly broken man, and haunted by what he fears is a degree of trauma.', '2015-12-01', '100', 'Comtemporary', 'Hanya Yanighara', 'P0002');
INSERT INTO Book VALUES ('809-12-89238-22-0', 'Coraline', '21.12','In Coraline family new flat are twenty-one windows and fourteen doors. The fourteenth is locked, and on the other side is only a brick wall, until the day Coraline unlocks the door to find a passage to another flat in another house just like her own.', '2002-01-22', '220', 'Horror', 'Nail Gailman', 'P0012');
INSERT INTO Book VALUES ('781-10-98237-23-6', 'Seven Brief Lessons on Physics', '89.00','Carlo Rovelli offers surprising-and surprisingly easy to grasp-explanations of general relativity, quantum mechanics, elementary particles, gravity, black holes, the complex architecture of the universe, and the role humans play in this world.', '2014-10-09', '600', 'Science', 'Carlo Rovelli', 'P0007');
INSERT INTO Book VALUES ('755-52-09812-08-8', 'Underland', '90.00','Traveling through the dizzying expanse of geologic time—from prehistoric art in Norwegian sea caves, to the blue depths of the Greenland ice cap, to a deep-sunk "hiding place" where nuclear waste will be stored for 100,000 years to come.', '2010-05-24', '99', 'History', 'Robert Macfarlane', 'P0001');
INSERT INTO Book VALUES ('710-49-89487-90-2', 'Shadow Witch', '11.50','Okay, so I'm in trouble. Big trouble. I'm broke. Worse, my boyfriend of five years just dumped me. What do I do? I move in with my three eccentric aunts in their family home. Sounds exciting, only this massive farmhouse likes to eat men.', '2018-02-22', '342', 'Fantasy', 'Kim Richardson', 'P0005');
INSERT INTO Book VALUES ('700-65-09322-42-4', 'Beach Read', '10.00','Augustus Everett is an acclaimed author of literary fiction. January Andrews writes bestselling romance. When she pens a happily ever after, he kills off his entire cast. They are polar opposites.', '2017-03-22', '376', 'Romance', 'Emily Harry', 'P0006');
INSERT INTO Book VALUES ('700-12-43654-12-2', 'The Switch', '39.10','When overachiever Leena Cotton is ordered to take a two-month sabbatical after blowing a big presentation at work, she escapes to her grandmother Eileen house for some overdue rest. Eileen is newly single and about to turn eighty.', '2017-03-22', '211', 'Romance', 'Bryn Brairs', 'P0006');
INSERT INTO Book VALUES ('689-15-22345-00-1', 'The Midnight Library', '34.50','Between life and death there is a library, and within that library, the shelves go on forever. Every book provides a chance to try another life you could have lived.', '2020-03-21', '111', 'Fantasy', 'Elizabeth Acevedo', 'P0012');
INSERT INTO Book VALUES ('678-11-32222-89-7', 'The Guest List', '31.50','But perfection is for plans, and people are all too human. It is not long after the cake is cut and the champagne popped that resentments. Worse yet, the latest barometer reading shows the weather has shifted from FAIR to CHANGEABLE.', '2020-03-12', '324', 'Mystery', 'Elizabeth Acevedo', 'P0012');

```

```

INSERT INTO Book VALUES ('978-43-34367-83-2', 'The Vanishing Half', '23.90','The Vignes twin sisters will always be identical. But after growing up together in a
small, southern black community and running away at age sixteen, it not just the shape of their daily lives that is different as adults.', '2003-03-12', '100',
'History', 'Brit Bennet', 'P0001');
INSERT INTO Book VALUES ('342-12-34567-89-7', 'House of Earth and Blood', '78.90','Bryce Quinlan had the perfect life—working hard all day and partying all night—
until a demon murdered her closest friends, leaving her bereft, wounded, and alone. When the accused is behind bars, Bryce finds herself at the heart of the
investigation.', '2021-04-12', '600', 'Fantasy', 'Sarah J. Maas', 'P0003');
INSERT INTO Book VALUES ('425-12-34567-43-8', 'Strange Planet', '9.00','Straight from the mind of New York Times bestselling author Nathan W. Pyle comes an adorable
and profound universe. Based on the phenomenally popular Instagram of the same name, Strange Planet covers a full life cycle of the planet's inhabitants.',
'2021-01-12', '700', 'Comedy', 'Nathan W. Pyle', 'P0011');
INSERT INTO Book VALUES ('999-12-34567-22-1', 'A Promised Land', '99.99','In the stirring, highly anticipated first volume of his presidential memoirs, Barack Obama
tells the story of his odyssey from young man searching for his identity to leader, describing in strikingly personal detail both his political education.',
'2020-12-12', '300', 'Biography', 'Barack Obama', 'P0015');
INSERT INTO Book VALUES ('999-99-67456-89-7', 'Caste: The Origins of Our Discontents', '88.88','In this brilliant book, Isabel Wilkerson gives us a masterful
portrait of an unseen phenomenon in America as she explores, through an immersive, deeply researched narrative and stories about real people, .', '2020-12-12',
'780', 'Politics', 'Isabel Wickerson', 'P0014');
INSERT INTO Book VALUES ('456-12-34567-89-9', 'Heartstopper: Volume Three', '34.50','Charlie didnt think Nick could ever like him back, but now they are officially
boyfriends. Nicks even found the courage to come out to his mum.', '2020-12-12', '99', 'RomCom', 'Alice Olseman', 'P0009');
INSERT INTO Book VALUES ('978-12-21111-82-1', 'Such a Fun Age', '22.22','Alix Chamberlain is a woman who gets what she wants and has made a living, with her
confidence-driven brand, showing other women how to do the same. Emira Tucker, is confronted while watching the Chamberlains toddler one night', '2019-08-12', '100',
'RomCom', 'Alice Olseman', 'P0009');
INSERT INTO Book VALUES ('334-00-34567-89-7', 'Dearly', '34.50','In Dearly, Margaret Atwood's first collection of poetry in over a decade, Atwood addresses themes
such as love, loss, the passage of time, the nature of nature and - zombies. ', '2012-08-12', '50', 'Poetry', 'Carla Rainbow', 'P0003');
INSERT INTO Book VALUES ('334-12-34567-65-2', 'From Blood and Ash', '50.50','Chosen from birth to usher in a new era, Poppy's life has never been her own. The life
of the Maiden is solitary. Never to be touched. Never to be looked upon. Never to be spoken to. Never to experience pleasure.', '2011-08-12', '900', 'Romance',
'Jennifer L. Armentrout', 'P0009');
INSERT INTO Book VALUES ('121-12-22367-49-7', 'To Sleep in a Sea of Stars', '94.50','Kira Navárez dreamed of life on new worlds. Now shes awakened a nightmare.
During a routine survey mission on an uncolonized planet, Kira finds an alien relic.', '2021-01-01', '234', 'Thriller', 'Jennifer Ashton', 'P0010');

```



```

INSERT INTO Book VALUES ('988-23-33567-89-4', 'Mexican Gothic', '34.00','After receiving a frantic letter from her newly-wed cousin begging for someone to save her
from a mysterious doom, Noemí Taboada heads to High Place, a distant house in the Mexican countryside.', '2013-02-01', '33', 'Horror', 'Elizabeth Garton', 'P0015');
INSERT INTO Book VALUES ('333-01-34344-22-7', 'That Summer', '8.90','Daisy Shoemaker can't sleep. With a thriving cooking business, full schedule of volunteer work,
and a beautiful home in the Philadelphia suburbs, she should be content. But her teenage daughter can be a handful; her husband can be distant.', '2021-05-01', '233'
, 'Romance', 'Katie Garton', 'P0007');
INSERT INTO Book VALUES ('915-12-33217-84-1', 'The Atmospherians', '12.00','Sasha Marcus was once the epitome of contemporary success: an internet sensation, social
media darling, and a creator of a high profile wellness brand for women. But a confrontation with an abusive troll has taken a horrifying turn.', '2021-06-01',
'556', 'Contemporary', 'Leon Ling', 'P0004');
INSERT INTO Book VALUES ('112-11-12312-23-7', 'The Premonition: A Pandemic Story', '40.90','Fortunately, we are still a nation of skeptics. Fortunately, there are
those among us who study pandemics and are willing to look unflinchingly at worst-case scenarios. ', '2021-04-11', '500', 'Contemporary', 'Matthow Tan', 'P0008');
INSERT INTO Book VALUES ('978-12-34567-89-4', 'Youre Invited', '34.50','The most universal strategy for success is creating meaningful connections with those who
can impact you, your life.', '2021-04-11', '223', 'Contemporary', 'Matthow Tan', 'P0008');
INSERT INTO Book VALUES ('978-12-34567-39-2', 'Lets Talk About Hard Things', '70.00','Anna Sale wants you to have that conversation. You know the one. The one that
you've been avoiding or putting off, maybe for years.', '2021-04-11', '223', 'Romance', 'Melissa Mel', 'P0011');
INSERT INTO Book VALUES ('978-12-34333-90-2', 'The Ones Were Meant to Find', '60.60','Cee has been trapped on an abandoned island for three years without any
recollection of how she arrived, or memories from her life prior.', '2013-04-23', '211', 'Sci-Fi', 'Ciber Cheng', 'P0012');
INSERT INTO Book VALUES ('900-12-34567-89-7', 'China: The Novel', '77.77','Edward Rutherfurd has enthralled millions of readers with his grand, sweeping historical
sagas. That tell the history of a famous place over multiple generations.', '2003-11-23', '23', 'History', 'Au Yang Ming Cheng', 'P0013');
INSERT INTO Book VALUES ('900-10-30007-00-0', 'The Plot', '32.50','Jacob Finch Bonner was once a promising young novelist with a respectably published first book.
Today, hes teaching in a third-rate MFA program and struggling to maintain whats left of his self-respect.', '2007-01-02', '50', 'Mystery', 'Ling Ling', 'P0003');
INSERT INTO Book VALUES ('100-12-34567-10-2', 'Local Woman Missing', '10.50','Shelby Tebow is the first to go missing. Not long after, Meredith Dickey and her
six-year-old daughter, Delilah, vanish just blocks away from where Shelby was last seen, striking fear into their once-peaceful community.', '2001-11-23', '10',
'Thriller', 'Josh Cheng', 'P0015');

```

```
INSERT INTO Book VALUES ('500-33-33567-89-7', 'Project Hail Mary', '24.50','Ryland Grace is the sole survivor on a desperate, last-chance mission--and if he fails, humanity and the earth itself will perish.', '2005-12-22', '188', 'Thriller', 'Josh Cheng', 'P0015');
INSERT INTO Book VALUES ('200-12-00001-29-7', 'We Are Satellites', '34.50','Val and Julie just want whats best for their kids, David and Sophie. So when teenage son David comes home one day asking for a Pilot, a new brain implant to help with school.', '2011-02-22', '100', 'Sci-Fi', 'Amelia Hart', 'P0012');
INSERT INTO Book VALUES ('380-12-11211-12-2', 'Incredible Doom', '12.50','Allison is drowning under the weight of her manipulative stage magician father. When he brings home the family's first computer, she escapes into a thrilling new world.', '2020-12-22', '900', 'Sci-Fi', 'Coco Iywa', 'P0009');
INSERT INTO Book VALUES ('666-65-37867-89-7', 'Turtle in Paradise', '92.00','Life isnt like the movies. But then again, 11-year-old Turtle is no Shirley Temple. Shes smart and tough and has seen enough of the world not to expect a Hollywood ending', '2010-02-02', '409', 'Fantasy', 'Coco Iywa', 'P0009');
INSERT INTO Book VALUES ('201-12-12382-32-7', 'Wynd', '10.00','Wynd seems like a regular boy in the fantastical world of Esseriel, except he's got a magical secret. Now he's set off on a journey with his best friend and the boy of his dreams.', '2014-12-23', '922', 'Horror', 'Ishli Ioko', 'P0014');
INSERT INTO Book VALUES ('890-92-34567-89-7', 'Mary Jane', '99.99','In 1970s Baltimore, fourteen-year-old Mary Jane loves cooking with her mother, singing in her church choir, and enjoying her family's subscription to the Broadway Show Tunes of the Month record club. ', '2021-09-09', '112', 'Contemporary', 'Julian Mars', 'P0004');
INSERT INTO Book VALUES ('550-55-55554-54-4', 'Ariadne', '20.50','As Princesses of Crete and daughters of the fearsome King Minos, Ariadne and her sister Phaedra grow up hearing the hoofbeats and bellows of the Minotaur echo from the Labyrinth beneath the palace.', '2021-12-30', '500', 'Fantasy', 'Julian Mars', 'P0006');
INSERT INTO Book VALUES ('223-12-12423-66-7', 'Firebreak', '5.50','Like everyone else she knows,Mallory is an orphan of the corporate war. As a child, she lost her parents, her home, and her entire building in an airstrike. ', '2004-09-11', '80', 'Sci-Fi', 'Clara Clam', 'P0010');
INSERT INTO Book VALUES ('115-12-34567-89-5', 'Hang the Moon', '60.60','Brendon Lowell loves love. It's why he created a dating app to help people find their one true pairing and why he's convinced "the one" is out there, even if he hasn't met her yet. Or... has he?', '2009-10-11', '55', 'Romance', 'Heartz Lim', 'P0003');
INSERT INTO Book VALUES ('223-12-34567-89-7', 'Modern Comfort Food: A Barefoot Contessa Cookbook', '87.90', 'Ina Garten shares 85 new recipes that will feed your deepest cravings. Many of these dishes are inspired by childhood favorites.', '2016-01-11', '300', 'Culinary', 'Ina Garten', 'P0006');
GO
```

Results		Messages							
	ISBN	Title	Price	Synopsis	PublishDate	StockQuantity	Genre	Author	PublisherID
1	100-12-34567-10-2	Local Woman Missing	10.50	Shelby Tebow is the first to go missing. Not long after, Meredith Dickey and her six-year-old daughter...	2001-11-23	10	Thriller	Josh Cheng	P0015
2	112-11-12312-23-7	The Premonition: A Pandemic Story	40.90	Fortunately, we are still a nation of skeptics. Fortunately, there are those among us who study pande...	2021-04-11	500	Contemporary	Maththow Tan	P0008
3	115-12-34567-89-5	Hang the Moon	60.60	Brendon Lowell loves love. It's why he created a dating app to help people find their one true pairing ...	2009-10-11	55	Romance	Heartz Lim	P0003
4	121-12-22367-49-7	To Sleep in a Sea of Stars	94.50	Kira Navárez dreamed of life on new worlds. Now shes awakened a nightmare. During a routine sur...	2021-01-01	234	Thriller	Jennifer Ashton	P0010
5	200-12-00001-29-7	We Are Satellites	34.50	Val and Julie just want whats best for their kids, David and Sophie. So when teenage son David com...	2011-02-22	100	Sci-Fi	Amelia Hart	P0012
6	201-12-12382-32-7	Wynd	10.00	Wynd seems like a regular boy in the fantastical world of Esseriel, except he's got a magical secret. ...	2014-12-23	922	Horror	Ishli Ioko	P0014
7	223-12-12423-66-7	Firebreak	5.50	Like everyone else she knows,Mallory is an orphan of the corporate war. As a child, she lost her pare...	2004-09-11	80	Sci-Fi	Clara Clam	P0010
8	223-12-34567-89-7	Modern Comfort Food: A Barefoot Contessa Cookbook	87.90	Ina Garten shares 85 new recipes that will feed your deepest cravings. Many of these dishes are insp...	2016-01-11	300	Culinary	Ina Garten	P0006
9	333-01-34344-22-7	That Summer	8.90	Daisy Shoemaker can't sleep. With a thriving cooking business, full schedule of volunteer work, and ...	2021-05-01	233	Romance	Katie Garton	P0007
10	334-00-34567-89-7	Dearly	34.50	In Dearly, Margaret Atwood's first collection of poetry in over a decade, Atwood addresses themes su...	2012-08-12	50	Poetry	Carla Rainbow	P0003
11	334-12-34567-65-2	From Blood and Ash	50.50	Chosen from birth to usher in a new era, Poppy's life has never been her own. The life of the Maiden ...	2011-08-12	900	Romance	Jennifer L. Armentrout	P0009
12	342-12-34567-89-7	House of Earth and Blood	78.90	Bryce Quinlan had the perfect life—working hard all day and partying all night—until a demon murder...	2021-04-12	600	Fantasy	Sarah J. Maas	P0003
13	380-12-11211-12-2	Incredible Doom	12.50	Allison is drowning under the weight of her manipulative stage magician father. When he brings hom...	2020-12-22	900	Sci-Fi	Coco Iywa	P0009
14	425-12-34567-43-8	Strange Planet	9.00	Straight from the mind of New York Times bestselling author Nathan W. Pyle comes an adorable an...	2021-01-12	700	Comedy	Nathan W. Pyle	P0011
15	456-12-34567-89-9	Heartstopper: Volume Three	34.50	Charlie didnt think Nick could ever like him back, but now they are officially boyfriends. Nicks even fou...	2020-12-12	99	RomCom	Alice Olseman	P0009
16	500-33-33567-89-7	Project Hail Mary	24.50	Ryland Grace is the sole survivor on a desperate, last-chance mission—and if he fails, humanity and t...	2005-12-22	188	Thriller	Josh Cheng	P0015
17	550-55-55554-54-4	Ariadne	20.50	As Princesses of Crete and daughters of the fearsome King Minos, Ariadne and her sister Phaedra g...	2021-12-30	500	Fantasy	Julian Mars	P0006
18	666-65-37867-89-7	Turtle in Paradise	92.00	Life isnt like the movies. But then again, 11-year-old Turtle is no Shirley Temple. Shes smart and tou...	2010-02-02	409	Fantasy	Coco Iywa	P0009
19	678-11-32222-89-7	The Guest List	31.50	But perfection is for plans, and people are all too human. It is not long after the cake is cut and the ch...	2020-03-12	324	Mystery	Elizabeth Acevedo	P0012
20	689-15-22345-00-1	The Midnight Library	34.50	Between life and death there is a library, and within that library, the shelves go on forever. Every book ...	2020-03-21	111	Fantasy	Elizabeth Acevedo	P0012
21	700-12-43654-12-2	The Switch	39.10	When overachiever Leena Cotton is ordered to take a two-month sabbatical after blowing a big prese...	2017-03-22	211	Romance	Bryn Brairs	P0006
22	700-65-09322-42-4	Beach Read	10.00	Augustus Everett is an acclaimed author of literary fiction. January Andrews writes bestselling roman...	2017-03-22	376	Romance	Emily Harry	P0006
23	710-49-89487-90-2	Shadow Witch	11.50	Okay, so I'm in trouble. Big trouble. I'm broke. Worse, my boyfriend of five years just dumped me. Wh...	2018-02-22	342	Fantasy	Kim Richardson	P0005
24	755-52-09812-08-8	Underland	90.00	Traveling through the dizzying expanse of geologic time—from prehistoric art in Norwegian sea caves...	2010-05-24	99	History	Robert Macfarlane	P0001
25	781-10-98237-23-6	Seven Brief Lessons on Physics	89.00	Carlo Rovelli offers surprising—and surprisingly easy to grasp—explanations of general relativity, quan...	2014-10-09	600	Science	Carlo Rovelli	P0007

26	809-12-89238-22-0	Coraline	21.12	In Coraline family new flat are twenty-one windows and fourteen doors. The fourteenth is locked, and...	2002-01-22	220	Horror	Nail Gailman	P0012
27	832-56-09478-33-8	A Little Life	77.00	Yet their greatest challenge, each comes to realize, is Jude himself, by midlife a terrifyingly talented l...	2015-12-01	100	Contempor...	Hanya Yanighara	P0002
28	872-35-00928-00-9	Broken Glass	44.44	Alain Mabanckou's riotous new novel centers on the patrons of a run-down bar in the Congo. In a co...	2005-01-11	120	Cultural	Alain Mabanckou	P0004
29	890-92-34567-89-7	Mary Jane	99.99	In 1970s Baltimore, fourteen-year-old Mary Jane loves cooking with her mother, singing in her churc...	2021-09-09	112	Contemporary	Julian Mars	P0004
30	900-10-30007-00-0	The Plot	32.50	Jacob Finch Bonner was once a promising young novelist with a respectably published first book. To...	2007-01-02	50	Mystery	Ling Ling	P0003
31	900-12-34567-89-7	China: The Novel	77.77	Edward Rutherfurd has enthralled millions of readers with his grand, sweeping historical sagas. That...	2003-11-23	23	History	Au Yang Ming Cheng	P0013
32	909-87-09485-33-1	Majesty	15.40	Power is intoxicating. Like first love, it can leave you breathless. Princess Beatrice was born with it. Pr...	2020-05-29	111	Comedy	Katherine McGee	P0005
33	910-90-03492-22-6	Tweet Cute	20.00	All's fair in love and cheese - that is, until Pepper and Jack's spat turns into a viral Twitter war. Little d...	2020-06-18	120	RomCom	Emma Lord	P0013
34	912-00-98283-43-6	The Hand On The Wall	51.00	Ellingham Academy must be cursed. Three people are now dead. One, a victim of either a prank gon...	2020-05-15	150	Fantasy	Maureen Johnson	P0010
35	915-12-33217-84-1	The Atmospherians	12.00	Sasha Marcus was once the epitome of contemporary success: an internet sensation, social media ...	2021-06-01	556	Contemporary	Leon Ling	P0004
36	922-24-29837-05-2	The Inheritance Game	50.00	Avery Grambs has a plan for a better future: survive high school, win a scholarship, and get out. But h...	2020-05-11	500	Fantasy	Jennifer Lyn Barns	P0004
37	922-69-83927-11-3	I Feel Bad About My Neck	67.00	With her disarming, intimate, voice, and dry sense of humor, Nora Ephron shares with us her ups an...	2006-08-20	43	Self-Enrich...	Nora Ephron	P0015
38	925-12-12352-03-5	You Should See Me In A Crown	25.00	Liz Lighty has always believed she is too black, too poor, too awkward to shine in her small, rich, pro...	2020-04-28	120	RomCom	Leah Johnson	P0011
39	944-01-36667-66-3	Felix Ever After	32.60	Felix Love has never been in love—and, yes, he's painfully aware of the irony. He desperately wants to...	2020-04-16	440	Romance	Kacen Clendder	P0008
40	965-19-45632-99-0	One Of Us Is Next	40.00	A ton of copycat gossip apps have popped up since Simon died, but in the year since the Bayview fou...	2020-04-01	400	Horror	Karen M. Magnus	P0015
41	978-03-23456-16-0	A Good Girl Guide to Murder	38.50	Pretty and popular high school senior Andie Bell was murdered by her boyfriend, Sal Singh, who the...	2020-03-18	350	Thriller	Holly Jackson	P0005
42	978-12-21111-82-1	Such a Fun Age	22.22	Alix Chamberlain is a woman who gets what she wants and has made a living, with her confidence-d...	2019-08-12	100	RomCom	Alice Olseman	P0009
43	978-12-34333-90-2	The Ones Were Meant to Find	60.60	Cee has been trapped on an abandoned island for three years without any recollection of how she ar...	2013-04-23	211	Sci-Fi	Ciber Cheng	P0012
44	978-12-34567-39-2	Lets Talk About Hard Things	70.00	Anna Sale wants you to have that conversation. You know the one. The one that you've been avoiding...	2021-04-11	223	Romance	Melissa Mel	P0011
45	978-12-34567-89-4	You're Invited	34.50	The most universal strategy for success is creating meaningful connections with those who can impa...	2021-04-11	223	Contemporary	Matthow Tan	P0008
46	978-12-34567-89-7	Clap When You Land	34.50	Camino Rios lives for the summers when her father visits her in the Dominican Republic. But this tim...	2020-03-12	300	Comedy	Elizabeth Acevedo	P0001
47	978-43-34367-83-2	The Vanishing Half	23.90	The Vignes twin sisters will always be identical. But after growing up together in a small, southern bla...	2003-03-12	100	History	Brit Bennet	P0001
48	988-23-33567-89-4	Mexican Gothic	34.00	After receiving a frantic letter from her newly-wed cousin begging for someone to save her from a my...	2013-02-01	33	Horror	Elizabeth Garton	P0015
49	999-12-34567-22-1	A Promised Land	99.99	In the stirring, highly anticipated first volume of his presidential memoirs, Barack Obama tells the stor...	2020-12-12	300	Biography	Barack Obama	P0015
50	999-99-67456-89-7	Caste: The Origins of Our Discontents	88.88	In this brilliant book, Isabel Wilkerson gives us a masterful portrait of an unseen phenomenon in Am...	2020-12-12	780	Politics	Isabel Wickerson	P0014

FEEDBACK – 40 Values

```
-- FEEDBACK (40 Values)
INSERT INTO Feedback VALUES ('F0001', 'This was my favorite book of the year by far. I wish I could read "Underland" again for the first time.', '10', 'M0013', '755-52-09812-08-8');
INSERT INTO Feedback VALUES ('F0002', '"Such a Fun Age" kept me interested until the end and it was a very good and interesting read.', '7', 'M0020', '978-12-21111-82-1');
INSERT INTO Feedback VALUES ('F0003', 'I was blown away by the author's ability to write such phenomenal scenes. I would recommend "Caste: The Origins of Our Discontents" to anyone.', '9', 'M0001', '999-99-67456-89-7');
INSERT INTO Feedback VALUES ('F0004', '"The Guest List" started and ended strong, but the middle was hazy. It had true potential, but the telling left much to be desired.', '6', 'M0027', '678-11-32222-89-7');
INSERT INTO Feedback VALUES ('F0005', 'The story was beautifully written, with a consistent style and tone.', '7', 'M0012', '915-12-33217-84-1');
INSERT INTO Feedback VALUES ('F0006', 'Everything about "Wynd" was beautifully complex and I can feel the characters emotions. I would recommend it to anyone.', '9', 'M0030', '201-12-12382-32-7');
INSERT INTO Feedback VALUES ('F0007', 'I was very sure that "Local Woman Missing" would become one of my favorites, but the story did not draw me in.', '6', 'M0021', '100-12-34567-10-2');
INSERT INTO Feedback VALUES ('F0008', '"Hang the Moon" was original, and well written. I would recommend this book to anyone.', '7', 'M0005', '115-12-34567-89-5');
INSERT INTO Feedback VALUES ('F0009', '"Tweet Cute" was fast-paced, engaging and suspenseful. "Tweet Cute" has ruined me for all other books!', '9', 'M0028', '910-90-03492-22-6');
INSERT INTO Feedback VALUES ('F0010', 'I thought "Incredible Doom" was going to be better than it turned out to be. Nothing was resolved at the ending of "Incredible Doom".', '6', 'M0022', '380-12-11211-12-2');

INSERT INTO Feedback VALUES ('F0011', '"A Good Girl Guide to Murder" was excellent, a real page-turner. Read "A Good Girl Guide to Murder"! I promise, you'll be hooked.', '10', 'M0014', '978-03-23456-16-0');
INSERT INTO Feedback VALUES ('F0012', 'This was a smooth flowing story with lots of action and very likeable characters. It was a joy to read.', '7', 'M0004', '223-12-34567-89-7');
INSERT INTO Feedback VALUES ('F0013', '"Ariadne" had standard tropes delivered with a smooth writing style. I would recommend "Ariadne" to any fan of the genre.', '8', 'M0007', '550-55-55554-54-4');
INSERT INTO Feedback VALUES ('F0014', 'I had to force myself to finish "The Vanishing Half". The storyline was simply unbelievable. This was a terrible example of the genre.', '2', 'M0011', '978-43-34367-83-2');
INSERT INTO Feedback VALUES ('F0015', 'The writing style was consistent and the exposition did not slow the plot overly much. I would recommend "Turtle to Paradise" to my friends.', '8', 'M0001', '666-65-37867-89-7');
INSERT INTO Feedback VALUES ('F0016', '"China: The Novel" was such a special read. The characters were well written, memorable, and distinctive.', '7', 'M0019', '900-12-34567-89-7');
INSERT INTO Feedback VALUES ('F0017', 'The characters each played a vital role in "Shadow Witch". I connected to these characters so deeply that I did not want their story to end.', '9', 'M0010', '710-49-89487-90-2');
INSERT INTO Feedback VALUES ('F0018', 'The characters in "One of Us Is Next" were two-dimensional and lacked depth. I struggled to empathize, relate to, or care about what happened to them.', '4', 'M0006', '965-19-45632-99-0');
INSERT INTO Feedback VALUES ('F0019', '"Mary Jane" did not draw me in, and I got bored and had to force myself to keep reading.', '5', 'M0003', '890-92-34567-89-7');
INSERT INTO Feedback VALUES ('F0020', 'The world-building in "I Feel Bad About My Neck" was superb and each scene was easy to visualize based on the characters senses and mood.', '8', 'M0021', '922-69-83927-11-3');
INSERT INTO Feedback VALUES ('F0021', 'The text was well written and engaging. The writing style was consistent and the exposition did not slow the plot overly much.', '7', 'M0026', '978-12-34567-89-4');

INSERT INTO Feedback VALUES ('F0022', 'The characters were so real and memorable that they could step outside the pages and be in the room with you. I would recommend it to anyone.', '9', 'M0009', '978-12-34567-89-7');
INSERT INTO Feedback VALUES ('F0023', 'I found it hard to put "To Sleep in a Sea of Stars" down. It was fast-paced, engaging and suspenseful; a joy to read.', '7', 'M0015', '121-12-22367-49-7');
INSERT INTO Feedback VALUES ('F0024', '"Project Hail Mary" was a very good and interesting read. This was a smooth flowing story with lots of action and very likeable characters.', '8', 'M0025', '500-33-33567-89-7');
INSERT INTO Feedback VALUES ('F0025', 'The writing style of "Seven Brief Lessons on Physics" was consistent and used precise words so that exposition did not slow the pace.', '10', 'M0023', '781-10-98237-23-6');
INSERT INTO Feedback VALUES ('F0026', 'The characters in "The Plot" were unrealistic. I skipped past pages of boring dialogue.', '2', 'M0017', '900-10-30007-00-0');
INSERT INTO Feedback VALUES ('F0027', 'Each scene in "The Inheritance Game" lead toward a larger goal, but the ending left some questions unanswered.', '7', 'M0018', '922-24-29837-05-2');
INSERT INTO Feedback VALUES ('F0028', '"Strange Planet" had standard tropes delivered with a smooth writing style. I would recommend "Strange Planet" to my friends.', '8', 'M0023', '425-12-34567-43-8');
INSERT INTO Feedback VALUES ('F0029', 'The plot in "Heartstopper: Volume Three" was cleverly woven, with each scene leading toward a larger goal. It started and ended strong.', '9', 'M0008', '456-12-34567-89-9');
INSERT INTO Feedback VALUES ('F0030', '"Majesty" was a very good and interesting read. The dialogue in "Majesty" was nice and tight.', '8', 'M0028', '909-87-09485-33-1');

INSERT INTO Feedback VALUES ('F0031', '"Coraline" meandered through the middle and I didnt like the ending. I would not recommend it to my friends.', '4', 'M0016', '809-12-89238-22-0');
INSERT INTO Feedback VALUES ('F0032', '"The Hand On The Wall" had true potential. This was a smooth flowing story with lots of action and very likeable characters.', '8', 'M0008', '912-00-98283-43-6');
INSERT INTO Feedback VALUES ('F0033', '"From Blood and Ash" was impossible to put down. Everything about "From Blood and Ash" was beautifully complex.', '10', 'M0006', '334-12-34567-65-2');
INSERT INTO Feedback VALUES ('F0034', 'I was very sure that "The Switch" would become one of my favorites, but the story did not draw me in.', '6', 'M0029', '700-12-43654-12-2');
INSERT INTO Feedback VALUES ('F0035', '"Lets Talk About Hard Things" was a very good and interesting read and it was a great example of the genre.', '8', 'M0020', '978-12-34567-39-2');
INSERT INTO Feedback VALUES ('F0036', '"Felix Ever After" was too simple and naive. I would not recommend "Felix Ever After" to fans of the genre.', '5', 'M0030', '944-01-36667-66-3');
INSERT INTO Feedback VALUES ('F0037', '"A Little Life" was fast-paced, engaging and suspenseful. This was my favorite book of the year by far.', '9', 'M0007', '832-56-09478-33-8');
INSERT INTO Feedback VALUES ('F0038', 'The story of "A Promised Land" did not draw me in, and I got bored and had to force myself to keep reading.', '5', 'M0029', '999-12-34567-22-1');
INSERT INTO Feedback VALUES ('F0039', 'The writing was amateurish and there were some inconsistencies in the style. However, the page layout and cover design is good.', '7', 'M0015', '872-35-00928-00-9');
INSERT INTO Feedback VALUES ('F0040', '"You Should See Me In A Crown" was a joy to read. The characters drove the plot to a satisfying conclusion, and resolved every issue.', '8', 'M0027', '925-12-12352-03-5');
GO
```

Results		Messages			
	FeedbackID	Comment	Rating	MemberID	ISBN
1	F0001	This was my favorite book of the year by far. I wish I could read "Underland" again for the first time.	10	M0013	755-52-09812-08-8
2	F0002	"Such a Fun Age" kept me interested until the end and it was a very good and interesting read.	7	M0020	978-12-21111-82-1
3	F0003	I was blown away by the author's ability to write such phenomenal scenes. I would recommend "Caste: The Origins of Our Discontents" to anyone.	9	M0001	999-99-67456-89-7
4	F0004	"The Guest List" started and ended strong, but the middle was hazy. It had true potential, but the telling left much to be desired.	6	M0027	678-11-32222-89-7
5	F0005	The story was beautifully written, with a consistent style and tone.	7	M0012	915-12-33217-84-1
6	F0006	Everything about "Wynd" was beautifully complex and I can feel the characters emotions. I would recommend it to anyone.	9	M0030	201-12-12382-32-7
7	F0007	I was very sure that "Local Woman Missing" would become one of my favorites, but the story did not draw me in.	6	M0021	100-12-34567-10-2
8	F0008	"Hang the Moon" was original, and well written. I would recommend this book to anyone.	7	M0005	115-12-34567-89-5
9	F0009	"Tweet Cute" was fast-paced, engaging and suspenseful. "Tweet Cute" has ruined me for all other books!	9	M0028	910-90-03492-22-6
10	F0010	I thought "Incredible Doom" was going to be better than it turned out to be. Nothing was resolved at the ending of "Incredible Doom".	6	M0022	380-12-11211-12-2
11	F0011	"A Good Girl Guide to Murder" was excellent, a real page-turner. Read "A Good Girl Guide to Murder"! I promise, you'll be hooked.	10	M0014	978-03-23456-16-0
12	F0012	This was a smooth flowing story with lots of action and very likeable characters. It was a joy to read.	7	M0004	223-12-34567-89-7
13	F0013	"Ariadne" had standard tropes delivered with a smooth writing style. I would recommend "Ariadne" to any fan of the genre.	8	M0007	550-55-55554-54-4
14	F0014	I had to force myself to finish "The Vanishing Half". The storyline was simply unbelievable. This was a terrible example of the genre.	2	M0011	978-43-34367-83-2
15	F0015	The writing style was consistent and the exposition did not slow the plot overly much. I would recommend "Turtle to Paradise" to my friends.	8	M0001	666-65-37867-89-7
16	F0016	"China: The Novel" was such a special read. The characters were well written, memorable, and distinctive.	7	M0019	900-12-34567-89-7
17	F0017	The characters each played a vital role in "Shadow Witch". I connected to these characters so deeply that I did not want their story to end.	9	M0010	710-49-89487-90-2
18	F0018	The characters in "One of Us Is Next" were two-dimensional and lacked depth. I struggled to empathize, relate to, or care about what happened to them.	4	M0006	965-19-45632-99-0
19	F0019	"Mary Jane" did not draw me in, and I got bored and had to force myself to keep reading.	5	M0003	890-92-34567-89-7
20	F0020	The world-building in "I Feel Bad About My Neck" was superb and each scene was easy to visualize based on the characters senses and mood.	8	M0021	922-69-83927-11-3
21	F0021	The text was well written and engaging. The writing style was consistent and the exposition did not slow the plot overly much.	7	M0026	978-12-34567-89-4
22	F0022	The characters were so real and memorable that they could step outside the pages and be in the room with you. I would recommend it to anyone.	9	M0009	978-12-34567-89-7
23	F0023	I found it hard to put "To Sleep in a Sea of Stars" down. It was fast-paced, engaging and suspenseful; a joy to read.	7	M0015	121-12-22367-49-7
24	F0024	"Project Hail Mary" was a very good and interesting read. This was a smooth flowing story with lots of action and very likeable characters.	8	M0025	500-33-33567-89-7
25	F0025	The writing style of "Seven Brief Lessons on Physics" was consistent and used precise words so that exposition did not slow the pace.	10	M0023	781-10-98237-23-6
26	F0026	The characters in "The Plot" were unrealistic. I skipped past pages of boring dialogue.	2	M0017	900-10-30007-00-0
27	F0027	Each scene in "The Inheritance Game" lead toward a larger goal, but the ending left some questions unanswered.	7	M0018	922-24-29837-05-2
28	F0028	"Strange Planet" had standard tropes delivered with a smooth writing style. I would recommend "Strange Planet" to my friends.	8	M0023	425-12-34567-43-8
29	F0029	The plot in "Heartstopper: Volume Three" was cleverly woven, with each scene leading toward a larger goal. It started and ended strong.	9	M0008	456-12-34567-89-9
30	F0030	"Majesty" was a very good and interesting read. The dialogue in "Majesty" was nice and tight.	8	M0028	909-87-09485-33-1
31	F0031	"Coraline" meandered through the middle and I didnt like the ending. I would not recommend it to my friends.	4	M0016	809-12-89238-22-0
32	F0032	"The Hand On The Wall" had true potential. This was a smooth flowing story with lots of action and very likeable characters.	8	M0008	912-00-98283-43-6
33	F0033	"From Blood and Ash" was impossible to put down. Everything about "From Blood and Ash" was beautifully complex.	10	M0006	334-12-34567-65-2
34	F0034	I was very sure that "The Switch" would become one of my favorites, but the story did not draw me in.	6	M0029	700-12-43654-12-2
35	F0035	"Lets Talk About Hard Things" was a very good and interesting read and it was a great example of the genre.	8	M0020	978-12-34567-39-2
36	F0036	"Felix Ever After" was too simple and naive. I would not recommend "Felix Ever After" to fans of the genre.	5	M0030	944-01-36667-66-3
37	F0037	"A Little Life" was fast-paced, engaging and suspenseful. This was my favorite book of the year by far.	9	M0007	832-56-09478-33-8
38	F0038	The story of "A Promised Land" did not draw me in, and I got bored and had to force myself to keep reading.	5	M0029	999-12-34567-22-1
39	F0039	The writing was amateurish and there were some inconsistencies in the style. However, the page layout and cover design is good.	7	M0015	872-35-00928-00-9
40	F0040	"You Should See Me In A Crown" was a joy to read. The characters drove the plot to a satisfying conclusion, and resolved every issue.	8	M0027	925-12-12352-03-5

ORDERS – 25 Values

```
--Orders (25 Values)
INSERT INTO Orders VALUES ('00001', '2021-04-02', 'Sent', 'P0001');
INSERT INTO Orders VALUES ('00002', '2021-04-03', 'Sent', 'P0001');
INSERT INTO Orders VALUES ('00003', '2021-04-03', 'Sent', 'P0002');
INSERT INTO Orders VALUES ('00004', '2021-04-05', 'Sent', 'P0004');
INSERT INTO Orders VALUES ('00005', '2021-04-10', 'Sent', 'P0006');
INSERT INTO Orders VALUES ('00006', '2021-04-11', 'Sent', 'P0008');
INSERT INTO Orders VALUES ('00007', '2021-04-20', 'Sent', 'P0012');
INSERT INTO Orders VALUES ('00008', '2021-04-27', 'Sent', 'P0001');
INSERT INTO Orders VALUES ('00009', '2021-04-30', 'Sent', 'P0014');
INSERT INTO Orders VALUES ('00010', '2021-05-05', 'Sent', 'P0015');

INSERT INTO Orders VALUES ('00011', '2021-05-10', 'Sent', 'P0005');
INSERT INTO Orders VALUES ('00012', '2021-05-18', 'Sent', 'P0009');
INSERT INTO Orders VALUES ('00013', '2021-05-20', 'Sent', 'P0013');
INSERT INTO Orders VALUES ('00014', '2021-05-24', 'Sent', 'P0009');
INSERT INTO Orders VALUES ('00015', '2021-05-31', 'Pending', 'P0001');
INSERT INTO Orders VALUES ('00016', '2021-06-02', 'Pending', 'P0001');
INSERT INTO Orders VALUES ('00017', '2021-06-05', 'Pending', 'P0006');
INSERT INTO Orders VALUES ('00018', '2021-06-10', 'Pending', 'P0002');
INSERT INTO Orders VALUES ('00019', '2021-06-13', 'Pending', 'P0010');
INSERT INTO Orders VALUES ('00020', '2021-06-17', 'Pending', 'P0007');

INSERT INTO Orders VALUES ('00021', '2021-06-20', 'Pending', 'P0011');
INSERT INTO Orders VALUES ('00022', '2021-06-23', 'Pending', 'P0003');
INSERT INTO Orders VALUES ('00023', '2021-06-25', 'Pending', 'P0003');
INSERT INTO Orders VALUES ('00024', '2021-06-27', 'Pending', 'P0009');
INSERT INTO Orders VALUES ('00025', '2021-06-30', 'Pending', 'P0001');
GO
```

Results		Messages		
	OrderID	OrderDate	DeliveryStatus	PublisherID
1	O0001	2021-04-02	Sent	P0001
2	O0002	2021-04-03	Sent	P0001
3	O0003	2021-04-03	Sent	P0002
4	O0004	2021-04-05	Sent	P0004
5	O0005	2021-04-10	Sent	P0006
6	O0006	2021-04-11	Sent	P0008
7	O0007	2021-04-20	Sent	P0012
8	O0008	2021-04-27	Sent	P0001
9	O0009	2021-04-30	Sent	P0014
10	O0010	2021-05-05	Sent	P0015
11	O0011	2021-05-10	Sent	P0005
12	O0012	2021-05-18	Sent	P0009
13	O0013	2021-05-20	Sent	P0013
14	O0014	2021-05-24	Sent	P0009
15	O0015	2021-05-31	Pending	P0001
16	O0016	2021-06-02	Pending	P0001
17	O0017	2021-06-05	Pending	P0006
18	O0018	2021-06-10	Pending	P0002
19	O0019	2021-06-13	Pending	P0010
20	O0020	2021-06-17	Pending	P0007
21	O0021	2021-06-20	Pending	P0011
22	O0022	2021-06-23	Pending	P0003
23	O0023	2021-06-25	Pending	P0003
24	O0024	2021-06-27	Pending	P0009
25	O0025	2021-06-30	Pending	P0001

BOOK-ORDERS – 50 Values

```
--BOOK-ORDERS (50 Values)
```

```

INSERT INTO Book_Orders VALUES ('978-12-34567-89-7', '00001', '100');
INSERT INTO Book_Orders VALUES ('755-52-09812-08-8', '00001', '300');
INSERT INTO Book_Orders VALUES ('978-43-34367-83-2', '00002', '99');
INSERT INTO Book_Orders VALUES ('832-56-09478-33-8', '00003', '500');
INSERT INTO Book_Orders VALUES ('922-24-29837-05-2', '00004', '55');
INSERT INTO Book_Orders VALUES ('872-35-00928-00-9', '00004', '100');
INSERT INTO Book_Orders VALUES ('915-12-33217-84-1', '00004', '330');
INSERT INTO Book_Orders VALUES ('890-92-34567-89-7', '00004', '200');
INSERT INTO Book_Orders VALUES ('700-65-09322-42-4', '00005', '99');
INSERT INTO Book_Orders VALUES ('700-12-43654-12-2', '00005', '500');

INSERT INTO Book_Orders VALUES ('550-55-55554-54-4', '00005', '150');
INSERT INTO Book_Orders VALUES ('223-12-34567-89-7', '00005', '90');
INSERT INTO Book_Orders VALUES ('978-12-34567-89-4', '00006', '110');
INSERT INTO Book_Orders VALUES ('944-01-36667-66-3', '00006', '300');
INSERT INTO Book_Orders VALUES ('112-11-12312-23-7', '00006', '340');
INSERT INTO Book_Orders VALUES ('809-12-89238-22-0', '00007', '220');
INSERT INTO Book_Orders VALUES ('689-15-22345-00-1', '00007', '120');
INSERT INTO Book_Orders VALUES ('678-11-32222-89-7', '00007', '66');
INSERT INTO Book_Orders VALUES ('978-12-34333-90-2', '00007', '70');
INSERT INTO Book_Orders VALUES ('200-12-00001-29-7', '00007', '80');

INSERT INTO Book_Orders VALUES ('678-11-32222-89-7', '00008', '180');
INSERT INTO Book_Orders VALUES ('755-52-09812-08-8', '00008', '250');
INSERT INTO Book_Orders VALUES ('999-99-67456-89-7', '00009', '220');
INSERT INTO Book_Orders VALUES ('201-12-12382-32-7', '00009', '100');
INSERT INTO Book_Orders VALUES ('965-19-45632-99-0', '00010', '100');
INSERT INTO Book_Orders VALUES ('999-12-34567-22-1', '00010', '290');
INSERT INTO Book_Orders VALUES ('988-23-33567-89-4', '00010', '400');
INSERT INTO Book_Orders VALUES ('922-69-83927-11-3', '00010', '150');
INSERT INTO Book_Orders VALUES ('909-87-09485-33-1', '00011', '110');
INSERT INTO Book_Orders VALUES ('710-49-89487-90-2', '00011', '100');

```

```
INSERT INTO Book_Orders VALUES ('456-12-34567-89-9', '00012', '100');
INSERT INTO Book_Orders VALUES ('978-12-21111-82-1', '00012', '390');
INSERT INTO Book_Orders VALUES ('910-90-03492-22-6', '00013', '200');
INSERT INTO Book_Orders VALUES ('380-12-11211-12-2', '00014', '200');
INSERT INTO Book_Orders VALUES ('978-43-34367-83-2', '00015', '200');
INSERT INTO Book_Orders VALUES ('755-52-09812-08-8', '00015', '210');
INSERT INTO Book_Orders VALUES ('978-12-34567-89-7', '00015', '210');
INSERT INTO Book_Orders VALUES ('755-52-09812-08-8', '00016', '70');
INSERT INTO Book_Orders VALUES ('700-65-09322-42-4', '00017', '80');
INSERT INTO Book_Orders VALUES ('550-55-55554-54-4', '00017', '90');

INSERT INTO Book_Orders VALUES ('832-56-09478-33-8', '00018', '130');
INSERT INTO Book_Orders VALUES ('912-00-98283-43-6', '00019', '150');
INSERT INTO Book_Orders VALUES ('781-10-98237-23-6', '00020', '210');
INSERT INTO Book_Orders VALUES ('333-01-34344-22-7', '00020', '350');
INSERT INTO Book_Orders VALUES ('425-12-34567-43-8', '00021', '110');
INSERT INTO Book_Orders VALUES ('342-12-34567-89-7', '00022', '100');
INSERT INTO Book_Orders VALUES ('334-00-34567-89-7', '00023', '100');
INSERT INTO Book_Orders VALUES ('978-12-21111-82-1', '00024', '100');
INSERT INTO Book_Orders VALUES ('380-12-11211-12-2', '00024', '200');
INSERT INTO Book_Orders VALUES ('978-43-34367-83-2', '00025', '50');
GO
```

<div> <div> <div></div> <div>Results</div> </div> <div> <div></div> <div>Messages</div> </div> </div>			
	ISBN	OrderID	OrderQuantity
1	112-11-12312-23-7	O0006	340
2	200-12-00001-29-7	O0007	80
3	201-12-12382-32-7	O0009	100
4	223-12-34567-89-7	O0005	90
5	333-01-34344-22-7	O0020	350
6	334-00-34567-89-7	O0023	100
7	342-12-34567-89-7	O0022	100
8	380-12-11211-12-2	O0014	200
9	380-12-11211-12-2	O0024	200
10	425-12-34567-43-8	O0021	110
11	456-12-34567-89-9	O0012	100
12	550-55-55554-54-4	O0005	150
13	550-55-55554-54-4	O0017	90
14	678-11-32222-89-7	O0007	66
15	678-11-32222-89-7	O0008	180
16	689-15-22345-00-1	O0007	120
17	700-12-43654-12-2	O0005	500
18	700-65-09322-42-4	O0005	99
19	700-65-09322-42-4	O0017	80
20	710-49-89487-90-2	O0011	100
21	755-52-09812-08-8	O0001	300
22	755-52-09812-08-8	O0008	250
23	755-52-09812-08-8	O0015	210
24	755-52-09812-08-8	O0016	70
25	781-10-98237-23-6	O0020	210

26	809-12-89238-22-0	O0007	220
27	832-56-09478-33-8	O0003	500
28	832-56-09478-33-8	O0018	130
29	872-35-00928-00-9	O0004	100
30	890-92-34567-89-7	O0004	200
31	909-87-09485-33-1	O0011	110
32	910-90-03492-22-6	O0013	200
33	912-00-98283-43-6	O0019	150
34	915-12-33217-84-1	O0004	330
35	922-24-29837-05-2	O0004	55
36	922-69-83927-11-3	O0010	150
37	944-01-36667-66-3	O0006	300
38	965-19-45632-99-0	O0010	100
39	978-12-21111-82-1	O0012	390
40	978-12-21111-82-1	O0024	100
41	978-12-34333-90-2	O0007	70
42	978-12-34567-89-4	O0006	110
43	978-12-34567-89-7	O0001	100
44	978-12-34567-89-7	O0015	210
45	978-43-34367-83-2	O0002	99
46	978-43-34367-83-2	O0015	200
47	978-43-34367-83-2	O0025	50
48	988-23-33567-89-4	O0010	400
49	999-12-34567-22-1	O0010	290
50	999-99-67456-89-7	O0009	220

SALE – 25 Values

```
--SALE (25 Values)
```

```
INSERT INTO Sale VALUES ('S0001', '2021-04-15', 'Sent', 'M0015');
INSERT INTO Sale VALUES ('S0002', '2021-04-15', 'Sent', 'M0001');
INSERT INTO Sale VALUES ('S0003', '2021-04-17', 'Sent', 'M0009');
INSERT INTO Sale VALUES ('S0004', '2021-04-18', 'Sent', 'M0025');
INSERT INTO Sale VALUES ('S0005', '2021-04-20', 'Sent', 'M0028');
INSERT INTO Sale VALUES ('S0006', '2021-04-22', 'Sent', 'M0013');
INSERT INTO Sale VALUES ('S0007', '2021-04-25', 'Sent', 'M0017');
INSERT INTO Sale VALUES ('S0008', '2021-04-25', 'Sent', 'M0029');
INSERT INTO Sale VALUES ('S0009', '2021-04-28', 'Sent', 'M0008');
INSERT INTO Sale VALUES ('S0010', '2021-04-29', 'Sent', 'M0011');

INSERT INTO Sale VALUES ('S0011', '2021-05-15', 'Sent', 'M0015');
INSERT INTO Sale VALUES ('S0012', '2021-05-22', 'Sent', 'M0002');
INSERT INTO Sale VALUES ('S0013', '2021-05-23', 'Sent', 'M0024');
INSERT INTO Sale VALUES ('S0014', '2021-05-25', 'Sent', 'M0028');
INSERT INTO Sale VALUES ('S0015', '2021-05-25', 'Sent', 'M0001');
INSERT INTO Sale VALUES ('S0016', '2021-05-27', 'Sent', 'M0007');
INSERT INTO Sale VALUES ('S0017', '2021-06-17', 'Pending', 'M0005');
INSERT INTO Sale VALUES ('S0018', '2021-06-17', 'Pending', 'M0017');
INSERT INTO Sale VALUES ('S0019', '2021-06-18', 'Pending', 'M0026');
INSERT INTO Sale VALUES ('S0020', '2021-06-18', 'Pending', 'M0022');

INSERT INTO Sale VALUES ('S0021', '2021-06-20', 'Pending', 'M0016');
INSERT INTO Sale VALUES ('S0022', '2021-06-21', 'Pending', 'M0005');
INSERT INTO Sale VALUES ('S0023', '2021-06-23', 'Pending', 'M0027');
INSERT INTO Sale VALUES ('S0024', '2021-06-25', 'Pending', 'M0006');
INSERT INTO Sale VALUES ('S0025', '2021-06-30', 'Pending', 'M0002');

GO
```

Results		Messages		
	SaleID	SaleDate	DeliveryStatus	MemberID
1	S0001	2021-04-15	Sent	M0015
2	S0002	2021-04-15	Sent	M0001
3	S0003	2021-04-17	Sent	M0009
4	S0004	2021-04-18	Sent	M0025
5	S0005	2021-04-20	Sent	M0028
6	S0006	2021-04-22	Sent	M0013
7	S0007	2021-04-25	Sent	M0017
8	S0008	2021-04-25	Sent	M0029
9	S0009	2021-04-28	Sent	M0008
10	S0010	2021-04-29	Sent	M0011
11	S0011	2021-05-15	Sent	M0015
12	S0012	2021-05-22	Sent	M0002
13	S0013	2021-05-23	Sent	M0024
14	S0014	2021-05-25	Sent	M0028
15	S0015	2021-05-25	Sent	M0001
16	S0016	2021-05-27	Sent	M0007
17	S0017	2021-06-17	Pending	M0005
18	S0018	2021-06-17	Pending	M0017
19	S0019	2021-06-18	Pending	M0026
20	S0020	2021-06-18	Pending	M0022
21	S0021	2021-06-20	Pending	M0016
22	S0022	2021-06-21	Pending	M0005
23	S0023	2021-06-23	Pending	M0027
24	S0024	2021-06-25	Pending	M0006
25	S0025	2021-06-30	Pending	M0002

BOOK-SALE – 60 Values**--BOOK-SALE (60 Values)**

```

INSERT INTO Book_Sale VALUES ('988-23-33567-89-4', 'S0001', 1);
INSERT INTO Book_Sale VALUES ('689-15-22345-00-1', 'S0001', 2);
INSERT INTO Book_Sale VALUES ('915-12-33217-84-1', 'S0001', 1);
INSERT INTO Book_Sale VALUES ('900-12-34567-89-7', 'S0002', 3);
INSERT INTO Book_Sale VALUES ('832-56-09478-33-8', 'S0002', 1);
INSERT INTO Book_Sale VALUES ('944-01-36667-66-3', 'S0003', 2);
INSERT INTO Book_Sale VALUES ('666-65-37867-89-7', 'S0003', 1);
INSERT INTO Book_Sale VALUES ('978-12-34333-90-2', 'S0004', 3);
INSERT INTO Book_Sale VALUES ('342-12-34567-89-7', 'S0005', 3);
INSERT INTO Book_Sale VALUES ('223-12-34567-89-7', 'S0005', 4);

INSERT INTO Book_Sale VALUES ('115-12-34567-89-5', 'S0005', 1);
INSERT INTO Book_Sale VALUES ('890-92-34567-89-7', 'S0005', 3);
INSERT INTO Book_Sale VALUES ('922-24-29837-05-2', 'S0006', 1);
INSERT INTO Book_Sale VALUES ('915-12-33217-84-1', 'S0006', 1);
INSERT INTO Book_Sale VALUES ('999-12-34567-22-1', 'S0006', 2);
INSERT INTO Book_Sale VALUES ('380-12-11211-12-2', 'S0007', 1);
INSERT INTO Book_Sale VALUES ('700-12-43654-12-2', 'S0007', 1);
INSERT INTO Book_Sale VALUES ('965-19-45632-99-0', 'S0008', 3);
INSERT INTO Book_Sale VALUES ('978-43-34367-83-2', 'S0008', 1);
INSERT INTO Book_Sale VALUES ('425-12-34567-43-8', 'S0008', 1);

INSERT INTO Book_Sale VALUES ('678-11-32222-89-7', 'S0009', 1);
INSERT INTO Book_Sale VALUES ('115-12-34567-89-5', 'S0009', 1);
INSERT INTO Book_Sale VALUES ('425-12-34567-43-8', 'S0010', 3);
INSERT INTO Book_Sale VALUES ('909-87-09485-33-1', 'S0010', 1);
INSERT INTO Book_Sale VALUES ('988-23-33567-89-4', 'S0010', 3);
INSERT INTO Book_Sale VALUES ('978-12-34567-89-7', 'S0011', 4);
INSERT INTO Book_Sale VALUES ('380-12-11211-12-2', 'S0011', 1);
INSERT INTO Book_Sale VALUES ('425-12-34567-43-8', 'S0012', 2);
INSERT INTO Book_Sale VALUES ('965-19-45632-99-0', 'S0012', 1);
INSERT INTO Book_Sale VALUES ('700-65-09322-42-4', 'S0012', 1);

```

```
INSERT INTO Book_Sale VALUES ('872-35-00928-00-9', 'S0013', 1);
INSERT INTO Book_Sale VALUES ('333-01-34344-22-7', 'S0013', 2);
INSERT INTO Book_Sale VALUES ('121-12-22367-49-7', 'S0014', 1);
INSERT INTO Book_Sale VALUES ('342-12-34567-89-7', 'S0015', 5);
INSERT INTO Book_Sale VALUES ('425-12-34567-43-8', 'S0015', 3);
INSERT INTO Book_Sale VALUES ('922-69-83927-11-3', 'S0015', 1);
INSERT INTO Book_Sale VALUES ('978-03-23456-16-0', 'S0016', 1);
INSERT INTO Book_Sale VALUES ('342-12-34567-89-7', 'S0016', 2);
INSERT INTO Book_Sale VALUES ('100-12-34567-10-2', 'S0016', 1);
INSERT INTO Book_Sale VALUES ('925-12-12352-03-5', 'S0016', 3);

INSERT INTO Book_Sale VALUES ('922-69-83927-11-3', 'S0017', 1);
INSERT INTO Book_Sale VALUES ('909-87-09485-33-1', 'S0017', 1);
INSERT INTO Book_Sale VALUES ('978-12-34567-89-7', 'S0018', 2);
INSERT INTO Book_Sale VALUES ('223-12-12423-66-7', 'S0018', 1);
INSERT INTO Book_Sale VALUES ('999-99-67456-89-7', 'S0018', 3);
INSERT INTO Book_Sale VALUES ('872-35-00928-00-9', 'S0019', 1);
INSERT INTO Book_Sale VALUES ('832-56-09478-33-8', 'S0019', 2);
INSERT INTO Book_Sale VALUES ('912-00-98283-43-6', 'S0020', 2);
INSERT INTO Book_Sale VALUES ('334-12-34567-65-2', 'S0020', 1);
INSERT INTO Book_Sale VALUES ('915-12-33217-84-1', 'S0020', 4);

INSERT INTO Book_Sale VALUES ('900-12-34567-89-7', 'S0021', 1);
INSERT INTO Book_Sale VALUES ('223-12-34567-89-7', 'S0021', 1);
INSERT INTO Book_Sale VALUES ('809-12-89238-22-0', 'S0022', 2);
INSERT INTO Book_Sale VALUES ('915-12-33217-84-1', 'S0022', 1);
INSERT INTO Book_Sale VALUES ('689-15-22345-00-1', 'S0023', 3);
INSERT INTO Book_Sale VALUES ('334-00-34567-89-7', 'S0023', 1);
INSERT INTO Book_Sale VALUES ('425-12-34567-43-8', 'S0024', 2);
INSERT INTO Book_Sale VALUES ('380-12-11211-12-2', 'S0025', 2);
INSERT INTO Book_Sale VALUES ('978-43-34367-83-2', 'S0025', 1);
INSERT INTO Book_Sale VALUES ('115-12-34567-89-5', 'S0025', 4);
GO
```

Results		Messages	
	ISBN	SaleID	SaleQuantity
1	100-12-34567-10-2	S0016	1
2	115-12-34567-89-5	S0005	1
3	115-12-34567-89-5	S0009	1
4	115-12-34567-89-5	S0025	4
5	121-12-22367-49-7	S0014	1
6	223-12-12423-66-7	S0018	1
7	223-12-34567-89-7	S0005	4
8	223-12-34567-89-7	S0021	1
9	333-01-34344-22-7	S0013	2
10	334-00-34567-89-7	S0023	1
11	334-12-34567-65-2	S0020	1
12	342-12-34567-89-7	S0005	3
13	342-12-34567-89-7	S0015	5
14	342-12-34567-89-7	S0016	2
15	380-12-11211-12-2	S0007	1
16	380-12-11211-12-2	S0011	1
17	380-12-11211-12-2	S0025	2
18	425-12-34567-43-8	S0008	1
19	425-12-34567-43-8	S0010	3
20	425-12-34567-43-8	S0012	2
21	425-12-34567-43-8	S0015	3
22	425-12-34567-43-8	S0024	2
23	666-65-37867-89-7	S0003	1
24	678-11-32222-89-7	S0009	1
25	689-15-22345-00-1	S0001	2
26	689-15-22345-00-1	S0023	3
27	700-12-43654-12-2	S0007	1
28	700-65-09322-42-4	S0012	1
29	809-12-89238-22-0	S0022	2
30	832-56-09478-33-8	S0002	1

31	832-56-09478-33-8	S0019	2
32	872-35-00928-00-9	S0013	1
33	872-35-00928-00-9	S0019	1
34	890-92-34567-89-7	S0005	3
35	900-12-34567-89-7	S0002	3
36	900-12-34567-89-7	S0021	1
37	909-87-09485-33-1	S0010	1
38	909-87-09485-33-1	S0017	1
39	912-00-98283-43-6	S0020	2
40	915-12-33217-84-1	S0001	1
41	915-12-33217-84-1	S0006	1
42	915-12-33217-84-1	S0020	4
43	915-12-33217-84-1	S0022	1
44	922-24-29837-05-2	S0006	1
45	922-69-83927-11-3	S0015	1
46	922-69-83927-11-3	S0017	1
47	925-12-12352-03-5	S0016	3
48	944-01-36667-66-3	S0003	2
49	965-19-45632-99-0	S0008	3
50	965-19-45632-99-0	S0012	1
51	978-03-23456-16-0	S0016	1
52	978-12-34333-90-2	S0004	3
53	978-12-34567-89-7	S0011	4
54	978-12-34567-89-7	S0018	2
55	978-43-34367-83-2	S0008	1
56	978-43-34367-83-2	S0025	1
57	988-23-33567-89-4	S0001	1
58	988-23-33567-89-4	S0010	3
59	999-12-34567-22-1	S0006	2
60	999-99-67456-89-7	S0018	3

CART_ITEM – 90 Values

```
-- Cart-Item (90values)
INSERT INTO Cart_Item VALUES ('C0001', '2', 'M0015', '922-24-29837-05-2');
INSERT INTO Cart_Item VALUES ('C0002', '1', 'M0004', '965-19-45632-99-0');
INSERT INTO Cart_Item VALUES ('C0003', '1', 'M0001', '978-12-34567-89-4');
INSERT INTO Cart_Item VALUES ('C0004', '3', 'M0001', '689-15-22345-00-1');
INSERT INTO Cart_Item VALUES ('C0005', '1', 'M0020', '456-12-34567-89-9');
INSERT INTO Cart_Item VALUES ('C0006', '1', 'M0013', '500-33-33567-89-7');
INSERT INTO Cart_Item VALUES ('C0007', '1', 'M0018', '978-12-34567-89-7');
INSERT INTO Cart_Item VALUES ('C0008', '1', 'M0005', '201-12-12382-32-7');
INSERT INTO Cart_Item VALUES ('C0009', '2', 'M0022', '890-92-34567-89-7');
INSERT INTO Cart_Item VALUES ('C0010', '1', 'M0001', '965-19-45632-99-0');

INSERT INTO Cart_Item VALUES ('C0011', '2', 'M0025', '456-12-34567-89-9');
INSERT INTO Cart_Item VALUES ('C0012', '1', 'M0020', '999-99-67456-89-7');
INSERT INTO Cart_Item VALUES ('C0013', '2', 'M0004', '550-55-55554-54-4');
INSERT INTO Cart_Item VALUES ('C0014', '3', 'M0012', '201-12-12382-32-7');
INSERT INTO Cart_Item VALUES ('C0015', '1', 'M0030', '755-52-09812-08-8');
INSERT INTO Cart_Item VALUES ('C0016', '1', 'M0009', '978-43-34367-83-2');
INSERT INTO Cart_Item VALUES ('C0017', '2', 'M0026', '500-33-33567-89-7');
INSERT INTO Cart_Item VALUES ('C0018', '1', 'M0019', '115-12-34567-89-5');
INSERT INTO Cart_Item VALUES ('C0019', '2', 'M0002', '781-10-98237-23-6');
INSERT INTO Cart_Item VALUES ('C0020', '3', 'M0023', '890-92-34567-89-7');

INSERT INTO Cart_Item VALUES ('C0021', '1', 'M0027', '910-90-03492-22-6');
INSERT INTO Cart_Item VALUES ('C0022', '1', 'M0012', '342-12-34567-89-7');
INSERT INTO Cart_Item VALUES ('C0023', '1', 'M0002', '755-52-09812-08-8');
INSERT INTO Cart_Item VALUES ('C0024', '2', 'M0017', '100-12-34567-10-2');
INSERT INTO Cart_Item VALUES ('C0025', '2', 'M0027', '978-12-34567-89-7');
INSERT INTO Cart_Item VALUES ('C0026', '4', 'M0016', '988-23-33567-89-4');
INSERT INTO Cart_Item VALUES ('C0027', '3', 'M0011', '100-12-34567-10-2');
INSERT INTO Cart_Item VALUES ('C0028', '1', 'M0005', '925-12-12352-03-5');
INSERT INTO Cart_Item VALUES ('C0029', '1', 'M0030', '550-55-55554-54-4');
INSERT INTO Cart_Item VALUES ('C0030', '2', 'M0007', '944-01-36667-66-3');
```



```

INSERT INTO Cart_Item VALUES ('C0031', '1', 'M0025', '115-12-34567-89-5');
INSERT INTO Cart_Item VALUES ('C0032', '1', 'M0017', '872-35-00928-00-9');
INSERT INTO Cart_Item VALUES ('C0033', '2', 'M0004', '755-52-09812-08-8');
INSERT INTO Cart_Item VALUES ('C0034', '1', 'M0019', '223-12-34567-89-7');
INSERT INTO Cart_Item VALUES ('C0035', '2', 'M0015', '978-03-23456-16-0');
INSERT INTO Cart_Item VALUES ('C0036', '3', 'M0030', '678-11-32222-89-7');
INSERT INTO Cart_Item VALUES ('C0037', '3', 'M0014', '700-12-43654-12-2');
INSERT INTO Cart_Item VALUES ('C0038', '1', 'M0025', '201-12-12382-32-7');
INSERT INTO Cart_Item VALUES ('C0039', '1', 'M0022', '999-99-67456-89-7');
INSERT INTO Cart_Item VALUES ('C0040', '1', 'M0002', '978-12-34567-89-7');

INSERT INTO Cart_Item VALUES ('C0041', '2', 'M0020', '201-12-12382-32-7');
INSERT INTO Cart_Item VALUES ('C0042', '1', 'M0007', '922-69-83927-11-3');
INSERT INTO Cart_Item VALUES ('C0043', '2', 'M0005', '100-12-34567-10-2');
INSERT INTO Cart_Item VALUES ('C0044', '1', 'M0010', '666-65-37867-89-7');
INSERT INTO Cart_Item VALUES ('C0045', '1', 'M0029', '666-65-37867-89-7');
INSERT INTO Cart_Item VALUES ('C0046', '2', 'M0003', '978-12-34567-89-7');
INSERT INTO Cart_Item VALUES ('C0047', '3', 'M0027', '678-11-32222-89-7');
INSERT INTO Cart_Item VALUES ('C0048', '1', 'M0011', '100-12-34567-10-2');
INSERT INTO Cart_Item VALUES ('C0049', '1', 'M0004', '710-49-89487-90-2');
INSERT INTO Cart_Item VALUES ('C0050', '1', 'M0008', '978-43-34367-83-2');

INSERT INTO Cart_Item VALUES ('C0051', '3', 'M0015', '342-12-34567-89-7');
INSERT INTO Cart_Item VALUES ('C0052', '1', 'M0002', '223-12-12423-66-7');
INSERT INTO Cart_Item VALUES ('C0053', '2', 'M0030', '978-03-23456-16-0');
INSERT INTO Cart_Item VALUES ('C0054', '1', 'M0017', '342-12-34567-89-7');
INSERT INTO Cart_Item VALUES ('C0055', '1', 'M0007', '978-12-21111-82-1');
INSERT INTO Cart_Item VALUES ('C0056', '4', 'M0018', '550-55-55554-54-4');
INSERT INTO Cart_Item VALUES ('C0057', '1', 'M0022', '809-12-89238-22-0');
INSERT INTO Cart_Item VALUES ('C0058', '1', 'M0003', '223-12-12423-66-7');
INSERT INTO Cart_Item VALUES ('C0059', '1', 'M0012', '978-43-34367-83-2');
INSERT INTO Cart_Item VALUES ('C0060', '2', 'M0025', '425-12-34567-43-8');

```

```
INSERT INTO Cart_Item VALUES ('C0061', '1', 'M0010', '334-12-34567-65-2');
INSERT INTO Cart_Item VALUES ('C0062', '1', 'M0023', '700-65-09322-42-4');
INSERT INTO Cart_Item VALUES ('C0063', '1', 'M0004', '121-12-22367-49-7');
INSERT INTO Cart_Item VALUES ('C0064', '2', 'M0026', '915-12-33217-84-1');
INSERT INTO Cart_Item VALUES ('C0065', '1', 'M0019', '223-12-34567-89-7');
INSERT INTO Cart_Item VALUES ('C0066', '1', 'M0014', '912-00-98283-43-6');
INSERT INTO Cart_Item VALUES ('C0067', '2', 'M0030', '334-00-34567-89-7');
INSERT INTO Cart_Item VALUES ('C0068', '1', 'M0012', '550-55-55554-54-4');
INSERT INTO Cart_Item VALUES ('C0069', '3', 'M0019', '121-12-22367-49-7');
INSERT INTO Cart_Item VALUES ('C0070', '1', 'M0016', '978-12-34333-90-2');

INSERT INTO Cart_Item VALUES ('C0071', '2', 'M0004', '978-12-34333-90-2');
INSERT INTO Cart_Item VALUES ('C0072', '1', 'M0023', '872-35-00928-00-9');
INSERT INTO Cart_Item VALUES ('C0073', '1', 'M0019', '100-12-34567-10-2');
INSERT INTO Cart_Item VALUES ('C0074', '2', 'M0007', '380-12-11211-12-2');
INSERT INTO Cart_Item VALUES ('C0075', '1', 'M0029', '112-11-12312-23-7');
INSERT INTO Cart_Item VALUES ('C0076', '1', 'M0006', '200-12-00001-29-7');
INSERT INTO Cart_Item VALUES ('C0077', '2', 'M0020', '909-87-09485-33-1');
INSERT INTO Cart_Item VALUES ('C0078', '2', 'M0011', '890-92-34567-89-7');
INSERT INTO Cart_Item VALUES ('C0079', '2', 'M0025', '121-12-22367-49-7');
INSERT INTO Cart_Item VALUES ('C0080', '1', 'M0003', '334-00-34567-89-7');

INSERT INTO Cart_Item VALUES ('C0081', '1', 'M0030', '223-12-34567-89-7');
INSERT INTO Cart_Item VALUES ('C0082', '1', 'M0004', '900-12-34567-89-7');
INSERT INTO Cart_Item VALUES ('C0083', '2', 'M0029', '200-12-00001-29-7');
INSERT INTO Cart_Item VALUES ('C0084', '1', 'M0026', '910-90-03492-22-6');
INSERT INTO Cart_Item VALUES ('C0085', '2', 'M0021', '978-12-34567-39-2');
INSERT INTO Cart_Item VALUES ('C0086', '1', 'M0014', '978-43-34367-83-2');
INSERT INTO Cart_Item VALUES ('C0087', '1', 'M0003', '832-56-09478-33-8');
INSERT INTO Cart_Item VALUES ('C0088', '4', 'M0021', '999-12-34567-22-1');
INSERT INTO Cart_Item VALUES ('C0089', '2', 'M0008', '678-11-32222-89-7');
INSERT INTO Cart_Item VALUES ('C0090', '1', 'M0017', '909-87-09485-33-1');
GO
```

<div> <div>Results</div> <div>Messages</div> </div>				
	CartID	Quantity	MemberID	ISBN
1	C0001	2	M0015	922-24-29837-05-2
2	C0002	1	M0004	965-19-45632-99-0
3	C0003	1	M0001	978-12-34567-89-4
4	C0004	3	M0001	689-15-22345-00-1
5	C0005	1	M0020	456-12-34567-89-9
6	C0006	1	M0013	500-33-33567-89-7
7	C0007	1	M0018	978-12-34567-89-7
8	C0008	1	M0005	201-12-12382-32-7
9	C0009	2	M0022	890-92-34567-89-7
10	C0010	1	M0001	965-19-45632-99-0
11	C0011	2	M0025	456-12-34567-89-9
12	C0012	1	M0020	999-99-67456-89-7
13	C0013	2	M0004	550-55-55554-54-4
14	C0014	3	M0012	201-12-12382-32-7
15	C0015	1	M0030	755-52-09812-08-8
16	C0016	1	M0009	978-43-34367-83-2
17	C0017	2	M0026	500-33-33567-89-7
18	C0018	1	M0019	115-12-34567-89-5
19	C0019	2	M0002	781-10-98237-23-6
20	C0020	3	M0023	890-92-34567-89-7
21	C0021	1	M0027	910-90-03492-22-6
22	C0022	1	M0012	342-12-34567-89-7
23	C0023	1	M0002	755-52-09812-08-8
24	C0024	2	M0017	100-12-34567-10-2
25	C0025	2	M0027	978-12-34567-89-7
26	C0026	4	M0016	988-23-33567-89-4
27	C0027	3	M0011	100-12-34567-10-2
28	C0028	1	M0005	925-12-12352-03-5
29	C0029	1	M0030	550-55-55554-54-4
30	C0030	2	M0007	944-01-36667-66-3

31	C0031	1	M0025	115-12-34567-89-5
32	C0032	1	M0017	872-35-00928-00-9
33	C0033	2	M0004	755-52-09812-08-8
34	C0034	1	M0019	223-12-34567-89-7
35	C0035	2	M0015	978-03-23456-16-0
36	C0036	3	M0030	678-11-32222-89-7
37	C0037	3	M0014	700-12-43654-12-2
38	C0038	1	M0025	201-12-12382-32-7
39	C0039	1	M0022	999-99-67456-89-7
40	C0040	1	M0002	978-12-34567-89-7
41	C0041	2	M0020	201-12-12382-32-7
42	C0042	1	M0007	922-69-83927-11-3
43	C0043	2	M0005	100-12-34567-10-2
44	C0044	1	M0010	666-65-37867-89-7
45	C0045	1	M0029	666-65-37867-89-7
46	C0046	2	M0003	978-12-34567-89-7
47	C0047	3	M0027	678-11-32222-89-7
48	C0048	1	M0011	100-12-34567-10-2
49	C0049	1	M0004	710-49-89487-90-2
50	C0050	1	M0008	978-43-34367-83-2
51	C0051	3	M0015	342-12-34567-89-7
52	C0052	1	M0002	223-12-12423-66-7
53	C0053	2	M0030	978-03-23456-16-0
54	C0054	1	M0017	342-12-34567-89-7
55	C0055	1	M0007	978-12-21111-82-1
56	C0056	4	M0018	550-55-55554-54-4
57	C0057	1	M0022	809-12-89238-22-0
58	C0058	1	M0003	223-12-12423-66-7
59	C0059	1	M0012	978-43-34367-83-2
60	C0060	2	M0025	425-12-34567-43-8

61	C0061	1	M0010	334-12-34567-65-2
62	C0062	1	M0023	700-65-09322-42-4
63	C0063	1	M0004	121-12-22367-49-7
64	C0064	2	M0026	915-12-33217-84-1
65	C0065	1	M0019	223-12-34567-89-7
66	C0066	1	M0014	912-00-98283-43-6
67	C0067	2	M0030	334-00-34567-89-7
68	C0068	1	M0012	550-55-55554-54-4
69	C0069	3	M0019	121-12-22367-49-7
70	C0070	1	M0016	978-12-34333-90-2
71	C0071	2	M0004	978-12-34333-90-2
72	C0072	1	M0023	872-35-00928-00-9
73	C0073	1	M0019	100-12-34567-10-2
74	C0074	2	M0007	380-12-11211-12-2
75	C0075	1	M0029	112-11-12312-23-7
76	C0076	1	M0006	200-12-00001-29-7
77	C0077	2	M0020	909-87-09485-33-1
78	C0078	2	M0011	890-92-34567-89-7
79	C0079	2	M0025	121-12-22367-49-7
80	C0080	1	M0003	334-00-34567-89-7
81	C0081	1	M0030	223-12-34567-89-7
82	C0082	1	M0004	900-12-34567-89-7
83	C0083	2	M0029	200-12-00001-29-7
84	C0084	1	M0026	910-90-03492-22-6
85	C0085	2	M0021	978-12-34567-39-2
86	C0086	1	M0014	978-43-34367-83-2
87	C0087	1	M0003	832-56-09478-33-8
88	C0088	4	M0021	999-12-34567-22-1
89	C0089	2	M0008	678-11-32222-89-7
90	C0090	1	M0017	909-87-09485-33-1

4.0 SQL – Data Manipulation Language (DML)

Data manipulation language (DML) is a part of Structured Query Language (SQL). SQL statements are written to answer all query questions by extracting the appropriate information from the database (W3Schools, 2021).

Question 1 – Leanne Ooi Xin Ru

```
--i. List the book(s) which has the highest rating. Show book id, book name, and the rating.
SELECT B.ISBN, B.Title, MAX(F.Rating) AS 'The Highest Rating'
FROM Book B INNER JOIN Feedback F ON B.ISBN = F.ISBN
GROUP BY B.ISBN, B.Title
HAVING MAX(F.Rating) = (SELECT MAX(Rating) FROM Feedback);
```

100 %

Results Messages

	ISBN	Title	The Highest Rating
1	334-12-34567-65-2	From Blood and Ash	10
2	755-52-09812-08-8	Underland	10
3	781-10-98237-23-6	Seven Brief Lessons on Physics	10
4	978-03-23456-16-0	A Good Girl Guide to Murder	10

Question 2 – Leanne Ooi Xin Ru

```
--ii. Find the total number of feedbacks per member. Show member id, member name, and total number of feedbacks per member.
SELECT M.MemberID, M.FirstName, M.LastName, COUNT(F.FeedbackID) AS 'Total Number of Feedbacks Per Member'
FROM Member M LEFT JOIN Feedback F ON M.MemberID = F.MemberID
GROUP BY M.MemberID, M.FirstName, M.LastName;
```

	MemberID	FirstName	LastName	Total Number of Feedbacks Per Member
1	M0001	Jia Yong	Lim	2
2	M0002	Leanne	Ooi	0
3	M0003	Adam	Chan	1
4	M0004	Harry	Potter	1
5	M0005	Ronald	Weasley	1
6	M0006	Hermione	Granger	2
7	M0007	Draco	Malfoy	2
8	M0008	Severus	Snape	2
9	M0009	Minerva	McGona...	1
10	M0010	Albus	Dumble...	1
11	M0011	Yen Hui	Chew	1
12	M0012	Zhi Chin	Voon	1
13	M0013	Chun Yee	Yap	1
14	M0014	Howard	Yap	1
15	M0015	David	Malan	2

16	M0016	Jing Wen	Tee	1
17	M0017	Brian	Yu	1
18	M0018	Fred	Weasley	1
19	M0019	Emma	Watson	1
20	M0020	Daniel	Humphrey	2
21	M0021	Chuck	Bass	2
22	M0022	Serena	Woodson	1
23	M0023	William	Wong	2
24	M0024	Wei Kang	Tan	0
25	M0025	Tom	Holland	1
26	M0026	Blake	Lively	1
27	M0027	Taylor	Swift	2
28	M0028	Ryan	Reynolds	2
29	M0029	Erica	Lim	2
30	M0030	Felix	Kjelberg	2

Question 3 – Leanne Ooi Xin Ru

```
--iii. Find the total number of books published by each publisher.
--Show publisher id, publisher name, and number of books published.
SELECT P.PublisherID, P.Name, COUNT(B.PublisherID) AS 'The Number of Books Published'
FROM Publisher P INNER JOIN Book B ON P.PublisherID = B.PublisherID
GROUP BY P.PublisherID, P.Name;
```

	PublisherID	Name	The Number of Books Published
1	P0001	Alyson Books	3
2	P0002	Anchor Book Press	1
3	P0003	Arcadia Publishing	4
4	P0004	Blackwell Publishing	4
5	P0005	Classiko Publishing	3
6	P0006	Conleyn Book Pub...	4
7	P0007	Gerge Book Publi...	2
8	P0008	MayerWood Publi...	3
9	P0009	Mondo Publishing	5
10	P0010	Morgan James Pu...	3
11	P0011	Pars Books & Pub...	3
12	P0012	Scholastic	5
13	P0013	Sorriso Book Publi...	2
14	P0014	The Publish Hut	2
15	P0015	Zed Books	6

Question 4 – Leanne Ooi Xin Ru

```
--iv. Find the total number of books ordered by store manager from each publisher.
SELECT P.PublisherID, COUNT(BO.OrderID) AS 'The Total Number of Books Ordered'
FROM Publisher P INNER JOIN Orders O ON P.PublisherID = O.PublisherID
INNER JOIN Book_Orders BO ON O.OrderID = BO.OrderID
GROUP BY P.PublisherID;
```

	PublisherID	The Total Number of Books Ordered
1	P0001	10
2	P0002	2
3	P0003	2
4	P0004	4
5	P0005	2
6	P0006	6
7	P0007	2
8	P0008	3
9	P0009	5
10	P0010	1
11	P0011	1
12	P0012	5
13	P0013	1
14	P0014	2
15	P0015	4

Question 5 – Chan Ming Li

```
--Question v) - Chan Ming Li
--Find the total number of books ordered by each member.
SELECT M.MemberID, M.FirstName, M.LastName, SUM(BS.SaleQuantity) AS 'Total Number of Books Purchased'
FROM Sale S INNER JOIN Book_Sale BS ON S.SaleID = BS.SaleID
RIGHT JOIN Member M ON S.MemberID = M.MemberID
GROUP BY M.MemberID, M.FirstName, M.LastName
ORDER BY M.MemberID;
```

90 %

Results Messages

	MemberID	FirstName	LastName	Total Number of Books Purchased
1	M0001	Jia Yong	Lim	13
2	M0002	Leanne	Ooi	11
3	M0003	Adam	Chan	NULL
4	M0004	Harry	Potter	NULL
5	M0005	Ronald	Weasley	5
6	M0006	Hermione	Granger	2
7	M0007	Draco	Malfoy	7
8	M0008	Severus	Snape	2
9	M0009	Minerva	McGonagall	3
10	M0010	Albus	Dumbledore	NULL
11	M0011	Yen Hui	Chew	7
12	M0012	Zhi Chin	Voon	NULL
13	M0013	Chun Yee	Yap	4
14	M0014	Howard	Yap	NULL
15	M0015	David	Malan	9

16	M0016	Jing Wen	Tee	2
17	M0017	Brian	Yu	8
18	M0018	Fred	Weasley	NULL
19	M0019	Emma	Watson	NULL
20	M0020	Daniel	Humphrey	NULL
21	M0021	Chuck	Bass	NULL
22	M0022	Serena	Woodson	7
23	M0023	William	Wong	NULL
24	M0024	Wei Kang	Tan	3
25	M0025	Tom	Holland	3
26	M0026	Blake	Lively	3
27	M0027	Taylor	Swift	4
28	M0028	Ryan	Reynolds	12
29	M0029	Erica	Lim	5
30	M0030	Felix	Kjelberg	NULL

Question 6 – Chan Ming Li

```
--Question vi) - Chan Ming Li
--Find the bestselling book(s).
SELECT B.ISBN, B.Title AS 'Best Selling Book(s) (Title)', SUM(BS.SaleQuantity) AS 'Total Sales'
FROM Book B INNER JOIN Book_Sale BS ON B.ISBN = BS.ISBN
GROUP BY B.ISBN, B.Title
HAVING SUM(BS.SaleQuantity) = (SELECT TOP(1) SUM(SaleQuantity) FROM Book_Sale
GROUP BY ISBN
ORDER BY SUM(SaleQuantity) DESC);
```

90 %

Results Messages

	ISBN	Best Selling Book(s) (Title)	Total Sales
1	425-12-34567-43-8	Strange Planet	11

Question 7 – Chan Ming Li

```
--Question vii) - Chan Ming Li
--Show list of total customers based on gender who are registered as members in APU E-Bookstore.
--The list should show total number of registered members and total number of gender (male and female).
SELECT Gender, COUNT(*) AS 'Total Members'
FROM Member
GROUP BY Gender;
```

90 %

Results Messages

	Gender	Total Members
1	F	12
2	M	18

Question 8 – Lim Jia Yong

```
--viii. Show a list of purchased books that have not been delivered to members. The list should
-- show member identification number, address, contact number, book serial number, book title,
-- quantity, date and status of delivery. (Lim Jia Yong)
```

```
SELECT M.MemberID, M.Address, M.PhoneNumber AS 'Contact Number', B.ISBN, B.Title AS 'Book Title',
BS.SaleQuantity AS 'Quantity', S.SaleDate AS 'Date of Purchase', S.DeliveryStatus AS 'Delivery Status'
FROM Member M INNER JOIN Sale S ON M.MemberID = S.MemberID
INNER JOIN Book_Sale BS ON S.SaleID = BS.SaleID
INNER JOIN Book B ON BS.ISBN = B.ISBN
WHERE S.DeliveryStatus = 'Pending'
ORDER BY M.MemberID, S.SaleDate;
```

MemberID	Address	Contact Number	ISBN	Book Title	Quantity	Date of Purchase	Delivery Status
1 M0002	No. 559, Jalan SS23/11, Taman Sea, 47400 Petaling ...	012-95132106	115-12-34567-89-5	Hang the Moon	4	2021-06-30	Pending
2 M0002	No. 559, Jalan SS23/11, Taman Sea, 47400 Petaling ...	012-95132106	380-12-11211-12-2	Incredible Doom	2	2021-06-30	Pending
3 M0002	No. 559, Jalan SS23/11, Taman Sea, 47400 Petaling ...	012-95132106	978-43-34367-83-2	The Vanishing Half	1	2021-06-30	Pending
4 M0005	No. 25, Jalan Pju 8/3, Damansara Perdana, 47820 Pe...	011-15370267	909-87-09485-33-1	Majesty	1	2021-06-17	Pending
5 M0005	No. 25, Jalan Pju 8/3, Damansara Perdana, 47820 Pe...	011-15370267	922-69-83927-11-3	I Feel Bad About My Neck	1	2021-06-17	Pending
6 M0005	No. 25, Jalan Pju 8/3, Damansara Perdana, 47820 Pe...	011-15370267	809-12-89238-22-0	Coraline	2	2021-06-21	Pending
7 M0005	No. 25, Jalan Pju 8/3, Damansara Perdana, 47820 Pe...	011-15370267	915-12-33217-84-1	The Atmospherians	1	2021-06-21	Pending
8 M0006	No. 99, Jalan Pandan Indah 1/23A, Taman Pandan In...	011-35253689	425-12-34567-43-8	Strange Planet	2	2021-06-25	Pending
9 M0016	No. 84, Jalan Gombak Batu 6 3/4, Kampung Simpang...	012-73891431	223-12-34567-89-7	Modern Comfort Food: A Barefoot Cont...	1	2021-06-20	Pending
10 M0016	No. 84, Jalan Gombak Batu 6 3/4, Kampung Simpang...	012-73891431	900-12-34567-89-7	China: The Novel	1	2021-06-20	Pending
11 M0017	No. 658, Lorong Selamat, 10400 Georgetown, Pulau ...	014-65892721	223-12-12423-66-7	Firebreak	1	2021-06-17	Pending
12 M0017	No. 658, Lorong Selamat, 10400 Georgetown, Pulau ...	014-65892721	978-12-34567-89-7	Clap When You Land	2	2021-06-17	Pending
13 M0017	No. 658, Lorong Selamat, 10400 Georgetown, Pulau ...	014-65892721	999-99-67456-89-7	Caste: The Origins of Our Discontents	3	2021-06-17	Pending
14 M0022	No. 507, Jalan Bagan Ajam, 13000 Butterworth, Pulau...	017-59064302	334-12-34567-65-2	From Blood and Ash	1	2021-06-18	Pending
15 M0022	No. 507, Jalan Bagan Ajam, 13000 Butterworth, Pulau...	017-59064302	912-00-98283-43-6	The Hand On The Wall	2	2021-06-18	Pending
16 M0022	No. 507, Jalan Bagan Ajam, 13000 Butterworth, Pulau...	017-59064302	915-12-33217-84-1	The Atmospherians	4	2021-06-18	Pending
17 M0026	Lot 38, Jalan E1/4, Taman Ehsan Industrial Park, 521...	013-38613169	832-56-09478-33-8	A Little Life	2	2021-06-18	Pending
18 M0026	Lot 38, Jalan E1/4, Taman Ehsan Industrial Park, 521...	013-38613169	872-35-00928-00-9	Broken Glass	1	2021-06-18	Pending
19 M0027	No. 92, Jalan 6/118C, Desa Tun Razak Malaysia, 560...	012-12697615	334-00-34567-89-7	Dearly	1	2021-06-23	Pending
20 M0027	No. 92, Jalan 6/118C, Desa Tun Razak Malaysia, 560...	012-12697615	689-15-22345-00-1	The Midnight Library	3	2021-06-23	Pending

Question 9 – Lim Jia Yong

```
--ix. Show the member who spent most on buying books. Show member id,
-- member name and total expenditure. (Lim Jia Yong)
```

```
SELECT TOP 1
M.MemberID, M.FirstName, M.LastName, SUM(BS.SaleQuantity * B.Price) AS 'Total Expenditure (RM)'
FROM Member M INNER JOIN Sale S ON M.MemberID = S.MemberID
INNER JOIN Book_Sale BS ON S.SaleID = BS.SaleID
INNER JOIN Book B ON BS.ISBN = B.ISBN
GROUP BY M.MemberID, M.FirstName, M.LastName
ORDER BY SUM(BS.SaleQuantity * B.Price) DESC;
```

MemberID	FirstName	LastName	Total Expenditure (RM)
M0028	Ryan	Reynolds	1043.37

Question 10 – Lim Jia Yong

--Question x) - Lim Jia Yong
 --Show a list of total books as added by each member in the shopping cart.

```

SELECT M.MemberID, M.FirstName, M.LastName, SUM(C.Quantity) AS 'Total Books Added to Cart'
FROM Member M LEFT JOIN Cart_Item C ON M.MemberID = C.MemberID
GROUP BY M.MemberID, M.FirstName, M.LastName
ORDER BY SUM(C.Quantity) DESC;

```

110 %

Results Messages

	MemberID	FirstName	LastName	Total Books Added to Cart
2	M0030	Felix	Kjelberg	10
3	M0025	Tom	Holland	8
4	M0015	David	Malan	7
5	M0019	Emma	Watson	7
6	M0020	Daniel	Humphrey	6
7	M0021	Chuck	Bass	6
8	M0007	Draco	Malfoy	6
9	M0011	Yen Hui	Chew	6
10	M0012	Zhi Chin	Voon	6
11	M0027	Taylor	Swift	6
12	M0026	Blake	Lively	5
13	M0014	Howard	Yap	5
14	M0023	William	Wong	5
15	M0001	Jia Yong	Lim	5
16	M0002	Leanne	Ooi	5
17	M0003	Adam	Chan	5
18	M0016	Jing Wen	Tee	5
19	M0017	Brian	Yu	5
20	M0018	Fred	Weasley	5
21	M0022	Serena	Woodson	4
22	M0005	Ronald	Weasley	4
23	M0029	Erica	Lim	4
24	M0008	Severus	Snape	3
25	M0010	Albus	Dumble...	2
26	M0009	Minerva	McGona...	1
27	M0013	Chun Yee	Yap	1
28	M0006	Hermione	Granger	1
29	M0024	Wei Kang	Tan	NULL
30	M0028	Ryan	Reynolds	NULL

5.0 Conclusion

In conclusion, *APU E-Bookstore's* new database system has been implemented smoothly and successfully with the aid of designs such as ERD diagram, relational schema in 3NF, and data dictionary. ERD diagram provided us with a clear visualization of relationship between entities as well as attributes residing in each entity; relational schema in 3NF enabled us to reduce data redundancy to the bare minimum, while implementation of data dictionary gave us a better insight into metadata of database such as data types, formats, range and many more. Tables along with its data are then created and inserted through *SQL Server*, and database diagram is generated to display the overview and structure of the database. In order to analyze and extract information from the newly generated database, SQL query statements are written and executed successfully in *SQL Server*. All in all, *APU's E-Bookstore's* database system is created with success and is now ready to be established and utilized by the expanding population of *APU's* students and staffs.

References

essentialSQL, 2018. *What is a SQL Server Data Dictionary?*. [Online]
Available at: <https://www.essentialsql.com/what-is-a-data-dictionary/>
[Accessed 6 June 2021].

W3Schools, 2021. *Introduction to SQL*. [Online]
Available at: https://www.w3schools.com/sql/sql_intro.asp
[Accessed 25 5 2021].