

1. Write SQL queries to create the necessary tables.
2. Write SQL queries to insert sample data into each table.
3. Write SQL queries to retrieve a list of all books, customers, and orders.

- **Books Table Creation:**

```
CREATE TABLE Books (
  ISBN VARCHAR(13) PRIMARY KEY,
  Title VARCHAR(255),
  Author VARCHAR(255),
  Genre VARCHAR(50),
  Price DECIMAL(10, 2),
  QuantityInStock INT
);
```

```
INSERT INTO Books
VALUES
('ISBN1234567890', 'Space', 'Vinayak More', 'Fiction', 25.99, 50),
('ISBN2345678901', 'BLackHole', 'Tonny Drew', 'Mystery', 19.99, 30),
('ISBN3456789012', 'WW2', 'Shinzani Jain', 'Science Fiction', 30.50, 40);
```

```
SELECT * FROM Books;
```

	ISBN	Title	Author	Genre	Price	QuantityInStock	1
<input type="checkbox"/>	ISBN234567890	BLackHole	Tonny Drew	Mystery	19.99	30	
<input type="checkbox"/>	ISBN345678901	WW2	Shinzani Jain	Science Fiction	30.50	40	
<input type="checkbox"/>	ISBN123456789	Space	Vinayak More	Fiction	25.99	50	

- **Customers Table Creation:**

```
CREATE TABLE Customers (
  CustomerID INT PRIMARY KEY,
  Name VARCHAR(255),
  Email VARCHAR(255),
  PhoneNumber VARCHAR(20),
  ShippingAddress VARCHAR(255)
);
```

```
INSERT INTO Customers
VALUES
(1, 'sandesh sawant', 'sandesh4@gmail.com', '1234567890', 'Andheri'),
(2, 'Raja Donathula', 'Raja@gmail.com', '9876543210', 'Borivali');
```

```
SELECT * FROM Customers;
```

	CustomerID	Name	Email	PhoneNumber	ShippingAddress
<input type="checkbox"/>	1	sandesh sawant	sandesh4@gmail.com	1234567890	Andheri
<input type="checkbox"/>	2	Raja Donathula	Raja@gmail.com	9876543210	Borivali

### - **Orders Table Creation:**

```
CREATE TABLE Orders (  
  OrderID INT PRIMARY KEY,  
  CustomerID INT,  
  OrderDate DATE,  
  TotalAmount DECIMAL(10, 2),  
  FOREIGN KEY (CustomerID) REFERENCES Customers(CustomerID)  
);
```

```
INSERT INTO Orders  
VALUES  
(101, 1, '2023-12-20', 76.97),  
(102, 2, '2023-12-12', 45.98);
```

```
SELECT * FROM Orders;
```

Showing rows 0 - 1 (2 total, Query took 0.0007 seconds.)

`SELECT * FROM `orders``

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☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

Extra options

		OrderID	CustomerID	OrderDate	TotalAmount
<input type="checkbox"/>	<a href="#">Edit</a> <a href="#">Copy</a> <a href="#">Delete</a>	101	1	2023-12-20	76.97
<input type="checkbox"/>	<a href="#">Edit</a> <a href="#">Copy</a> <a href="#">Delete</a>	102	2	2023-12-12	45.98

### - **OrderDetails Table Creation:**

```
CREATE TABLE OrderDetails (  
  OrderID INT,  
  ISBN VARCHAR(13),  
  Quantity INT,  
  Subtotal DECIMAL(10, 2),  
  PRIMARY KEY (OrderID, ISBN),  
  FOREIGN KEY (OrderID) REFERENCES Orders(OrderID),  
  FOREIGN KEY (ISBN) REFERENCES Books(ISBN)  
);  
INSERT INTO OrderDetails VALUES  
(101, 'ISBN1234567890', 2, 51.98),  
(102, 'ISBN2345678901', 1, 19.99),  
(102, 'ISBN3456789012', 3, 24.99);
```

Showing rows 0 - 2 (3 total, Query took 0.0017 seconds.)

`SELECT * FROM `orderdetails``

☐ Profiling [\[ Edit inline \]](#) [\[ Edit \]](#) [\[ Explain SQL \]](#) [\[ Create PHP code \]](#) [\[ Refresh \]](#)

☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

Extra options

		OrderID	ISBN	Quantity	Subtotal
<input type="checkbox"/>	<a href="#">Edit</a> <a href="#">Copy</a> <a href="#">Delete</a>	101	ISBN123456789	2	51.98
<input type="checkbox"/>	<a href="#">Edit</a> <a href="#">Copy</a> <a href="#">Delete</a>	102	ISBN234567890	1	19.99
<input type="checkbox"/>	<a href="#">Edit</a> <a href="#">Copy</a> <a href="#">Delete</a>	102	ISBN345678901	3	24.99

#### 4. Write SQL queries to update customer information

UPDATE Customers

SET PhoneNumber = '9769798448' WHERE CustomerID = 1;

	CustomerID	Name	Email	PhoneNumber	ShippingAddress
<input type="checkbox"/> Edit Copy Delete	1	sandesh sawant	sandesh4@gmail.com	9769798448	Andheri
<input type="checkbox"/> Edit Copy Delete	2	Raja Donathula	Raja@gmail.com	9876543210	Borivali

☐ Check all With selected: Edit Copy Delete Export

#### 5. Write SQL queries to delete books that are no longer in stock.

DELETE FROM Books WHERE QuantityInStock = 0;

Show query box

✓ 0 rows deleted. (Query took 0.0006 seconds.)

```
-- Delete books that are no longer in stock DELETE FROM Books WHERE QuantityInStock = 0;
```

[ Edit inline ] [ Edit ] [ Create PHP code ]

#### 6. Write SQL queries to generate a report showing the total revenue generated from orders.

SELECT SUM(TotalAmount) AS TotalRevenue FROM Orders;

✓ Showing rows 0 - 0 (1 total, Query took 0.0004 seconds.)

```
-- Generate a report showing total revenue SELECT SUM(TotalAmount) AS TotalRevenue FROM Orders;
```

[ Edit inline ] [ Edit ] [ Create PHP code ]

☐ Show all | Number of rows: 25 | Filter rows: Search this table

Extra options

**TotalRevenue**

122.95

☐ Show all | Number of rows: 25 | Filter rows: Search this table