



```
mysql> SELECT * FROM Customers;
```

Customer_ID	Name	Email	Phone	Address
1	Alice Sharma	alice@example.com	9876543210	Mumbai, India
2	Bob Kumar	bob@example.com	9876500011	Delhi, India
3	Charlie Mehta	charlie@example.com	9000000001	Bangalore, India

```
3 rows in set (0.001 sec)
```

```
mysql> SELECT * FROM Suppliers;
```

Supplier_ID	Name	Contact_Info
1	TechSource Ltd.	contact@techsource.com
2	GadgetHouse Inc.	support@gadgethouse.com

```
2 rows in set (0.001 sec)
```

```
mysql> SELECT * FROM Products;
```

Product_ID	Name	Description	Supplier_ID	Price
1	Smartphone	Android-based smartphone	1	15000.00
2	Laptop	15 inch i5 laptop	1	45000.00
3	Wireless Mouse	Ergonomic design	2	800.00

```
3 rows in set (0.001 sec)
```

```
mysql> SELECT * FROM Inventory;
```

Product_ID	Quantity_Available
------------	--------------------

1	100
2	50
3	200

+-----+-----+

3 rows in set (0.001 sec)

mysql> SELECT * FROM Orders;

+-----+-----+-----+-----+

Order_ID	Customer_ID	Order_Date	Status
----------	-------------	------------	--------

+-----+-----+-----+-----+

1	1	2025-07-01	Shipped
---	---	------------	---------

2	2	2025-07-03	Delivered
---	---	------------	-----------

3	3	2025-07-05	Pending
---	---	------------	---------

+-----+-----+-----+-----+

3 rows in set (0.001 sec)

mysql> SELECT * FROM Order_Items;

+-----+-----+-----+-----+

Order_ID	Product_ID	Quantity	Price
----------	------------	----------	-------

+-----+-----+-----+-----+

1	1	1	15000.00
---	---	---	----------

1	3	2	800.00
---	---	---	--------

2	2	1	45000.00
---	---	---	----------

3	3	3	800.00
---	---	---	--------

+-----+-----+-----+-----+

4 rows in set (0.001 sec)

mysql> SELECT * FROM Payments;

Empty set (0.001 sec)

mysql> DESCRIBE Customers;

+-----+-----+-----+-----+-----+

Field	Type	Null	Key	Default	Extra
-------	------	------	-----	---------	-------

+-----+-----+-----+-----+-----+

Customer_ID	int	NO	PRI	NULL	auto_increment
-------------	-----	----	-----	------	----------------

Name	varchar(100)	NO		NULL	
------	--------------	----	--	------	--

Email	varchar(100)	NO	UNI	NULL	
-------	--------------	----	-----	------	--

Phone	varchar(15)	NO		NULL	
-------	-------------	----	--	------	--

Address	text	YES		NULL	
---------	------	-----	--	------	--

+-----+-----+-----+-----+-----+

5 rows in set (0.009 sec)

```
mysql> SELECT COUNT(*) FROM Orders;
```

```
+-----+
```

```
| COUNT(*) |
```

```
+-----+
```

```
|      3 |
```

```
+-----+
```

1 row in set (0.001 sec)

```
mysql>
```

```
CREATE DATABASE IF NOT EXISTS OnlineRetailDB;  
USE OnlineRetailDB;
```

```
-- Customers
```

```
CREATE TABLE Customers (  
    Customer_ID INT PRIMARY KEY AUTO_INCREMENT,  
    Name VARCHAR(100),  
    Email VARCHAR(100),  
    Phone VARCHAR(20),  
    Address TEXT  
);
```

```
-- Suppliers
```

```
CREATE TABLE Suppliers (  
    Supplier_ID INT PRIMARY KEY AUTO_INCREMENT,  
    Name VARCHAR(100),  
    Contact_Info TEXT  
);
```

```
-- Products
```

```
CREATE TABLE Products (  
    Product_ID INT PRIMARY KEY AUTO_INCREMENT,  
    Name VARCHAR(100),  
    Description TEXT,  
    Supplier_ID INT,  
    Price DECIMAL(10,2),  
    FOREIGN KEY (Supplier_ID) REFERENCES Suppliers(Supplier_ID)  
);
```

```
-- Inventory
```

```
CREATE TABLE Inventory (  
    Product_ID INT PRIMARY KEY,  
    Quantity_Available INT,  
    FOREIGN KEY (Product_ID) REFERENCES Products(Product_ID)  
);
```

```
-- Orders
```

```
CREATE TABLE Orders (  
    Order_ID INT PRIMARY KEY AUTO_INCREMENT,  
    Customer_ID INT,  
    Order_Date DATE,  
    Status VARCHAR(50),
```

```
FOREIGN KEY (Customer_ID) REFERENCES Customers(Customer_ID)
);
```

```
-- Order_Items (junction table between Orders and Products)
```

```
CREATE TABLE Order_Items (
    Order_ID INT,
    Product_ID INT,
    Quantity INT,
    Price DECIMAL(10,2),
    PRIMARY KEY (Order_ID, Product_ID),
    FOREIGN KEY (Order_ID) REFERENCES Orders(Order_ID),
    FOREIGN KEY (Product_ID) REFERENCES Products(Product_ID)
);
```

```
-- Payments
```

```
CREATE TABLE Payments (
    Payment_ID INT PRIMARY KEY AUTO_INCREMENT,
    Order_ID INT,
    Payment_Date DATE,
    Amount DECIMAL(10,2),
    Payment_Method VARCHAR(50),
    FOREIGN KEY (Order_ID) REFERENCES Orders(Order_ID)
);
```