

OUTPUT FILE

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Statement 1

Edit

```
CREATE TABLE Product (  
    ProductID INT PRIMARY KEY,  
    Name VARCHAR(255) NOT NULL,  
    Description VARCHAR(1000),  
    Price DECIMAL(10, 2) NOT NULL,  
    StockQuantity INT NOT NULL  
)
```

Table created.

Statement 2

Edit

```
CREATE TABLE Customer (  
    CustomerID INT PRIMARY KEY,  
    FirstName VARCHAR(255) NOT NULL,  
    LastName VARCHAR(255) NOT NULL,  
    Email VARCHAR(255) UNIQUE NOT NULL,  
    PhoneNumber VARCHAR(20),  
    Address VARCHAR(500)  
)
```

Table created.

Statement 3

Edit

```
INSERT INTO Customer (CustomerID, FirstName, LastName, Email, PhoneNumber, Address)  
VALUES  
    (1, 'John', 'Doe', 'john.doe@email.com', '123-456-7890', '123 Main St')
```

1 row(s) inserted.

Statement 4

Edit

```
INSERT INTO Customer (CustomerID, FirstName, LastName, Email, PhoneNumber, Address)  
VALUES  
    (2, 'Jane', 'Smith', 'jane.smith@email.com', '987-654-3210', '456 Oak St')
```

1 row(s) inserted.

Statement 5



Edit

```
CREATE TABLE Orders (  
    OrderID INT PRIMARY KEY,  
    CustomerID INT,  
    OrderDate DATE,  
    TotalAmount DECIMAL(10, 2) NOT NULL,  
    FOREIGN KEY (CustomerID) REFERENCES Customer(CustomerID)  
)
```

Table created.

Statement 6



Edit

```
CREATE TABLE OrderItem (  
    OrderItemID INT PRIMARY KEY,  
    OrderID INT,  
    ProductID INT,  
    Quantity INT NOT NULL,  
    Subtotal DECIMAL(10, 2) NOT NULL,  
    FOREIGN KEY (OrderID) REFERENCES Orders(OrderID),  
    FOREIGN KEY (ProductID) REFERENCES Product(ProductID)  
)
```

Table created.

Statement 7



Edit

```
INSERT INTO Product (ProductID, Name, Description, Price, StockQuantity)  
VALUES  
    (1, 'Laptop', 'High-performance laptop', 999.99, 50)  
-- (2, 'Smartphone', 'Latest smartphone model', 599.99, 100),  
-- (3, 'Headphones', 'Wireless noise-canceling headphones', 149.99, 30)
```

1 row(s) inserted.

Statement 8



Edit

```
INSERT INTO Product (ProductID, Name, Description, Price, StockQuantity)
VALUES
  --(1, 'Laptop', 'High-performance laptop', 999.99, 50)
  (2, 'Smartphone', 'Latest smartphone model', 599.99, 100)
  -- (3, 'Headphones', 'Wireless noise-canceling headphones', 149.99, 30)
```

1 row(s) inserted.

Statement 9



Edit

```
INSERT INTO Product (ProductID, Name, Description, Price, StockQuantity)
VALUES
  --(1, 'Laptop', 'High-performance laptop', 999.99, 50)
  --(2, 'Smartphone', 'Latest smartphone model', 599.99, 100)
  (3, 'Headphones', 'Wireless noise-canceling headphones', 149.99, 30)
```

1 row(s) inserted.

Statement 10



Edit

```
INSERT INTO Orders (OrderID, CustomerID, OrderDate, TotalAmount)
VALUES
  (1, 1, TO_DATE('2023-01-01', 'YYYY-MM-DD'), 999.99)
```

1 row(s) inserted.

Statement 11



Edit

```
INSERT INTO Orders (OrderID, CustomerID, OrderDate, TotalAmount)
VALUES
  (2, 2, TO_DATE('2023-02-01', 'YYYY-MM-DD'), 749.98)
```

1 row(s) inserted.

1 row(s) inserted.

Statement 12



Edit

```
INSERT INTO OrderItem (OrderItemID, OrderID, ProductID, Quantity, Subtotal)
VALUES
    (1, 1, 1, 2, 1999.98)
```

1 row(s) inserted.

Statement 13



Edit

```
INSERT INTO OrderItem (OrderItemID, OrderID, ProductID, Quantity, Subtotal)
VALUES
    --(1, 1, 1, 2, 1999.98),
    (2, 2, 2, 1, 599.99)
```

1 row(s) inserted.

Statement 14



Edit

```
SELECT * FROM Product
```

PRODUCTID	NAME	DESCRIPTION	PRICE	STOCKQUANTITY
2	Smartphone	Latest smartphone model	599.99	100
1	Laptop	High-performance laptop	999.99	50
3	Headphones	Wireless noise-canceling headphones	149.99	30

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3 rows selected.

Statement 15

 Edit


SELECT * FROM Customer

CUSTOMERID	FIRSTNAME	LASTNAME	EMAIL	PHONENUMBER	ADDRESS
2	Jane	Smith	jane.smith@email.com	987-654-3210	456 Oak St
1	John	Doe	john.doe@email.com	123-456-7890	123 Main St

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2 rows selected.

Statement 16

 Edit


SELECT * FROM Product WHERE StockQuantity > 0

PRODUCTID	NAME	DESCRIPTION	PRICE	STOCKQUANTITY
2	Smartphone	Latest smartphone model	599.99	100
1	Laptop	High-performance laptop	999.99	50
3	Headphones	Wireless noise-canceling headphones	149.99	30

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3 rows selected.

Statement 17

 Edit

SELECT COUNT(*) AS TotalProducts FROM Product

TOTALPRODUCTS
3

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Statement 18



Edit

```
SELECT DISTINCT c.*  
FROM Customer c  
JOIN Orders o ON c.CustomerID = o.CustomerID
```

CUSTOMERID	FIRSTNAME	LASTNAME	EMAIL	PHONENUMBER	ADDRESS
2	Jane	Smith	jane.smith@email.com	987-654-3210	456 Oak St
1	John	Doe	john.doe@email.com	123-456-7890	123 Main St

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2 rows selected.

Statement 19



Edit

```
SELECT o.OrderID, o.OrderDate, c.FirstName, c.LastName, p.Name AS ProductName, oi.Quantity, oi.Subt  
FROM Orders o  
JOIN Customer c ON o.CustomerID = c.CustomerID  
JOIN OrderItem oi ON o.OrderID = oi.OrderID  
JOIN Product p ON oi.ProductID = p.ProductID
```

ORDERID	ORDERDATE	FIRSTNAME	LASTNAME	PRODUCTNAME	QUANTITY	SUBTOTAL
2	01-FEB-23	Jane	Smith	Smartphone	1	599.99
1	01-JAN-23	John	Doe	Laptop	2	1999.98

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2 rows selected.

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2 rows selected.

Statement 20

[Edit](#)

```
SELECT
  p.ProductID,
  p.Name AS ProductName,
  SUM(oi.Quantity) AS TotalSold,
  SUM(oi.Subtotal) AS TotalRevenue
FROM
  Product p
JOIN
  OrderItem oi ON p.ProductID = oi.ProductID
GROUP BY
  p.ProductID, p.Name
ORDER BY
  TotalRevenue DESC
```

PRODUCTID	PRODUCTNAME	TOTALSOLD	TOTALREVENUE
1	Laptop	2	1999.98
2	Smartphone	1	599.99

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2 rows selected.

[▶ Script Update Details](#)