CREATE TABLE AND INSERT DATA

PAYMENT-TABLE

	PaymentID	PurchaseID	PaymentDate	Amount	Method
1	1	1	2025-07-25	4000.00	Cash
2	2	2	2025-07-26	3000.00	Bank
3	3	3	2025-07-27	2000.00	Cash
4	4	4	2025-07-28	3500.00	Online
5	5	5	2025-07-29	0.00	Pending

Query executed successfully.   DESKTOP-QTNKJRV (16.0 RTM) | DESKTOP-QTNKJRV\PC (73) | Shop Management System | 00:00:00 | 5 rows

PRODUCT-TABLE

	ProductID	ProductName	PurchasePrice	SalePrice	Unit	ProductDescription	CategoryID
1	1	iPhone 13	200000.00	220000.00	pcs	Apple smartphone	1
2	2	Sugar 1kg	100.00	120.00	kg	White sugar	2
3	3	Mango	80.00	100.00	kg	Seasonal mangoes	3
4	4	Pepsi 1.5L	60.00	80.00	liter	Cold drink bottle	4
5	5	Men's T-Shirt	300.00	450.00	pcs	Cotton t-shirt	5

Query executed successfully.   DESKTOP-QTNKJRV (16.0 RTM) | DESKTOP-QTNKJRV\PC (76) | Shop Management System | 00:00:00 | 5 rows

PURCHASE-DETAILS-TABLE

	PurchaseDetailID	PurchaseID	ProductID	Quantity	Price	Total
1	1	1	2	20	100.00	2000.00
2	2	1	3	10	80.00	800.00
3	3	2	4	30	60.00	1800.00
4	4	3	5	5	300.00	1500.00
5	5	4	1	1	200000.00	200000.00

Query executed successfully.   DESKTOP-QTNKJRV (16.0 RTM) | DESKTOP-QTNKJRV\PC (77) | Shop Management System | 00:00:00 | 5 rows

PURCHASE-TABLE

	PurchaseID	PurchaseDate	TotalAmount	PaidAmount	Remarks	SupplierID
1	1	2025-07-25	4000.00	4000.00	Paid in full	1
2	2	2025-07-26	6000.00	3000.00	50% paid	2
3	3	2025-07-27	2000.00	2000.00	Cash on delivery	3
4	4	2025-07-28	3500.00	3500.00	Instant payment	4
5	5	2025-07-28	5000.00	0.00	Pending payment	5

Query executed successfully. | DESKTOP-QTNKJRV (16.0 RTM) | DESKTOP-QTNKJRV\PC (75) | Shop Management System | 00:00:00 | 5 rows

ACCOUNT-TABLE

	AccountID	Date	Type	Amount	Reference	Description
1	1	2025-07-28	IN	4800.00	ReceiptID: 1	Cash received from Ali Khan
2	2	2025-07-28	OUT	3000.00	PaymentID: 2	Paid to Star Suppliers
3	3	2025-07-27	IN	5850.00	ReceiptID: 3	Cash received from Junaid Malik
4	4	2025-07-25	OUT	4000.00	PaymentID: 1	Paid to Ahmad Traders
5	5	2025-07-26	IN	2500.00	ReceiptID: 4	Cash received from Faiza Noor

Query executed successfully. | DESKTOP-QTNKJRV (16.0 RTM) | DESKTOP-QTNKJRV\PC (52) | Shop Management System | 00:00:00 | 5 rows

PRODUCT-TABLE

	ProductID	StockQty
1	1	0
2	2	15
3	3	0
4	4	28
5	5	3

SUPPLIER-TABLE

	SupplierID	SupplierName	Phone	Address	Email
1	1	Ahmad Traders	03012345678	Lahore	ahmadtraders@gmail.com
2	2	Star Suppliers	03117654321	Karachi	star@suppliers.com
3	3	Fresh Farm	03215469876	Multan	fress@suppliers.com
4	4	City Wholesale	03451239876	Faisalabad	city@wholesale.com
5	5	Pak Distributors	03335467890	Rawalpindi	pak@suppliers.com

Query executed successfully.   DESKTOP-QTNKJRV (16.0 RTM)   DESKTOP-QTNKJRV\PC (63)   Shop Management System   00:00:00   5 rows

SALES-DETAIL-TABLE

	SaleDetailID	Quantity	Price	Total	SaleID	ProductID
1	1	1	220000.00	220000.00	1	1
2	2	5	120.00	600.00	2	2
3	3	2	80.00	160.00	2	4
4	4	10	100.00	1000.00	3	3
5	5	2	450.00	900.00	4	5

Query executed successfully.   DESKTOP-QTNKJRV (16.0 RTM)   DESKTOP-QTNKJRV\PC (54)   Shop Management System   00:00:00   5 rows

SALES-TABLE

	SaleID	SaleDate	Discount	PaidAmount	TotalAmount	Remarks	CustomerID
1	1	2025-07-28	200.00	4800.00	5000.00	Paid by cash	1
2	2	2025-07-28	0.00	3000.00	3000.00	Urgent delivery	2
3	3	2025-07-27	150.00	5850.00	6000.00	Regular customer	3
4	4	2025-07-26	0.00	2500.00	2500.00	Cash on delivery	4
5	5	2025-07-25	100.00	4900.00	5000.00	Discounted order	5

Query executed successfully.   DESKTOP-QTNKJRV (16.0 RTM)   DESKTOP-QTNKJRV\PC (59)   Shop Management System   00:00:00   5 rows

CATAGORIES-TABLE

	CategoryID	CategoryName	CategoryDescription
1	1	Electronics	Mobile, Laptop, Accessories
2	2	Grocery	Food, Daily Essentials
3	3	Fruits	Seasonal and Fresh Fruits
4	4	Beverages	Cold Drinks and Juices
5	5	Clothing	Men and Women Apparel

Query executed successfully.　DESKTOP-QTNKJRV (16.0 RTM)　DESKTOP-QTNKJRV\PC (71)　Shop Management System　00:00:00　5 rows

RECEIPT-TABLE

	ReceiptID	ReceiptDate	SaleID	Amount	Method
1	1	2025-07-28	1	4800.00	Cash
2	2	2025-07-28	2	3000.00	Bank
3	3	2025-07-27	3	5850.00	Cash
4	4	2025-07-26	4	2500.00	Online
5	5	2025-07-25	5	4900.00	Cash

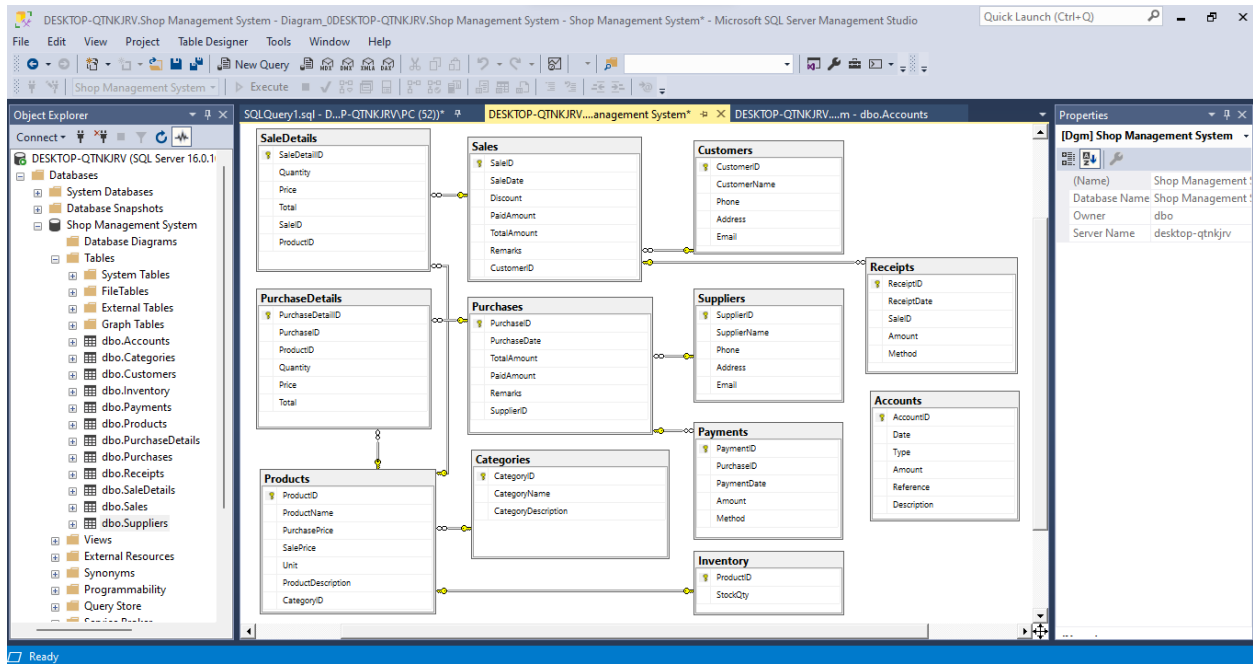Query executed successfully.　DESKTOP-QTNKJRV (16.0 RTM)　DESKTOP-QTNKJRV\PC (78)　Shop Management System　00:00:00　5 rows

CUSTOMER-TABLE

	CustomerID	CustomerName	Phone	Address	Email
1	1	Ali Khan	03001234567	Lahore	ali@gmail.com
2	2	Sana Ahmed	03111234567	Karachi	sana.ahmed@yahoo.com
3	3	Junaid Malik	03219876543	Islamabad	Junaid@yahoo.com
4	4	Faiza Noor	03451239876	Multan	faiza.noor@mail.com
5	5	Bilal Sheikh	03335467890	Peshawar	Bilal@yahoo.com

ERM-DIAGRAM

QUERIES

Cash Flow Report (Accounts Table)

```
SQLQuery14.sql -...P-QTNKJRV\PC (52))*  ⊕ ×
⊟SELECT
     Date,
     Type,
     Amount,
     Reference,
     Description
FROM Accounts
ORDER BY Date DESC;
```

100 %

🔲 Results 📄 Messages

	Date	Type	Amount	Reference	Description
1	2025-07-28	IN	4800.00	ReceiptID: 1	Cash received from Ali Khan
2	2025-07-28	OUT	3000.00	PaymentID: 2	Paid to Star Suppliers
3	2025-07-27	IN	5850.00	ReceiptID: 3	Cash received from Junaid Malik
4	2025-07-26	IN	2500.00	ReceiptID: 4	Cash received from Faiza Noor
5	2025-07-25	OUT	4000.00	PaymentID: 1	Paid to Ahmad Traders

✅ Query executed successfully.   🔒 DESKTOP-QTNKJRV (16.0 RTM) | DESKTOP-QTNKJRV\PC (52) | Shop Management System | 00:00:00 | 5 rows

MULTILE CUST DETAILS

```
SQLQuery14.sql -...P-QTNKJRV\PC (52))*  ⊕ ×
    SELECT
         C.CustomerName,
         S.SaleID,
         S.SaleDate,
         P.ProductName,
         SD.Quantity,
         SD.Price,
         SD.Total,
         S.TotalAmount,
         S.Discount,
         S.PaidAmount
    FROM Sales S
    JOIN Customers C ON S.CustomerID = C.CustomerID
    JOIN SaleDetails SD ON S.SaleID = SD.SaleID
    JOIN Products P ON SD.ProductID = P.ProductID
    ORDER BY S.SaleDate DESC, C.CustomerName;
```

100 %

🔲 Results 📄 Messages

	CustomerName	SaleID	SaleDate	ProductName	Quantity	Price	Total	TotalAmount	Discount	PaidAmount
1	Ali Khan	1	2025-07-28	iPhone 13	1	220000.00	220000.00	5000.00	200.00	4800.00
2	Sana Ahmed	2	2025-07-28	Sugar 1kg	5	120.00	600.00	3000.00	0.00	3000.00
3	Sana Ahmed	2	2025-07-28	Pepsi 1.5L	2	80.00	160.00	3000.00	0.00	3000.00
4	Junaid Malik	3	2025-07-27	Mango	10	100.00	1000.00	6000.00	150.00	5850.00
5	Faiza Noor	4	2025-07-26	Men's T-Shirt	2	450.00	900.00	2500.00	0.00	2500.00

✅ Query executed successfully.   🔒 DESKTOP-QTNKJRV (16.0 RTM) | DESKTOP-QTNKJRV\PC (52) | Shop Management System | 00:00:00 | 5 rows

Purchases with Supplier Info

```sql
SELECT
    P.PurchaseID,
    P.PurchaseDate,
    S.SupplierName,
    P.TotalAmount,
    P.PaidAmount,
    P.Remarks
FROM Purchases P
JOIN Suppliers S ON P.SupplierID = S.SupplierID
ORDER BY P.PurchaseDate DESC;
```

	PurchaseID	PurchaseDate	SupplierName	TotalAmount	PaidAmount	Remarks
1	4	2025-07-28	City Wholesale	3500.00	3500.00	Instant payment
2	5	2025-07-28	Pak Distributors	5000.00	0.00	Pending payment
3	3	2025-07-27	Fresh Farm	2000.00	2000.00	Cash on delivery
4	2	2025-07-26	Star Suppliers	6000.00	3000.00	50% paid
5	1	2025-07-25	Ahmad Traders	4000.00	4000.00	Paid in full

Query executed successfully. | DESKTOP-QTNKJRV (16.0 RTM) | DESKTOP-QTNKJRV\PC (52) | Shop Management System | 00:00:00 | 5 rows

Sales Between Two Dates

```sql
SELECT
    S.SaleID,
    S.SaleDate,
    C.CustomerName,
    S.TotalAmount,
    S.Discount,
    S.PaidAmount
FROM Sales S
JOIN Customers C ON S.CustomerID = C.CustomerID
WHERE S.SaleDate BETWEEN '2025-07-20' AND '2025-07-28'
ORDER BY S.SaleDate;
```

	SaleID	SaleDate	CustomerName	TotalAmount	Discount	PaidAmount
1	5	2025-07-25	Bilal Sheikh	5000.00	100.00	4900.00
2	4	2025-07-26	Faiza Noor	2500.00	0.00	2500.00
3	3	2025-07-27	Junaid Malik	6000.00	150.00	5850.00
4	1	2025-07-28	Ali Khan	5000.00	200.00	4800.00
5	2	2025-07-28	Sana Ahmed	3000.00	0.00	3000.00

Query executed successfully. | DESKTOP-QTNKJRV (16.0 RTM) | DESKTOP-QTNKJRV\PC (52) | Shop Management System | 00:00:00 | 5 rows

SHOW CUSTOMER DETAILS


```sql
SELECT
    C.CustomerName,
    S.SaleID,
    S.SaleDate,
    P.ProductName,
    SD.Quantity,
    SD.Price,
    SD.Total,
    S.TotalAmount,
    S.Discount,
    S.PaidAmount
FROM Sales S
JOIN Customers C ON S.CustomerID = C.CustomerID
JOIN SaleDetails SD ON S.SaleID = SD.SaleID
JOIN Products P ON SD.ProductID = P.ProductID
WHERE C.CustomerName = 'Ali Khan'
ORDER BY S.SaleDate DESC;
```

CustomerName	SaleID	SaleDate	ProductName	Quantity	Price	Total	TotalAmount	Discount	PaidAmount
Ali Khan	1	2025-07-28	iPhone 13	1	220000.00	220000.00	5000.00	200.00	4800.00

Stock of All Products


```sql
SELECT
    PR.ProductName,
    I.StockQty,
    PR.Unit
FROM Inventory I
JOIN Products PR ON I.ProductID = PR.ProductID
ORDER BY PR.ProductName;
```

	ProductName	StockQty	Unit
1	iPhone 13	0	pcs
2	Mango	0	kg
3	Men's T-Shirt	3	pcs
4	Pepsi 1.5L	28	liter
5	Sugar 1kg	15	kg

Query executed successfully.