

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

The screenshot shows a Microsoft SQL Server Management Studio (SSMS) window titled 'Results'. It displays a table with six columns: PurchaseID, PurchaseDate, TotalAmount, PaidAmount, Remarks, and SupplierID. There are five rows of data. The first row has PurchaseID 1, PurchaseDate 2025-07-25, TotalAmount 4000.00, PaidAmount 4000.00, Remarks 'Paid in full', and SupplierID 1. The second row has PurchaseID 2, PurchaseDate 2025-07-26, TotalAmount 6000.00, PaidAmount 3000.00, Remarks '50% paid', and SupplierID 2. The third row has PurchaseID 3, PurchaseDate 2025-07-27, TotalAmount 2000.00, PaidAmount 2000.00, Remarks 'Cash on delivery', and SupplierID 3. The fourth row has PurchaseID 4, PurchaseDate 2025-07-28, TotalAmount 3500.00, PaidAmount 3500.00, Remarks 'Instant payment', and SupplierID 4. The fifth row has PurchaseID 5, PurchaseDate 2025-07-28, TotalAmount 5000.00, PaidAmount 0.00, Remarks 'Pending payment', and SupplierID 5.

	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

The screenshot shows a Microsoft SQL Server Management Studio (SSMS) window titled 'Results'. It displays a table with six columns: AccountID, Date, Type, Amount, Reference, and Description. There are five rows of data. The first row has AccountID 1, Date 2025-07-28, Type IN, Amount 4800.00, Reference 'ReceiptID: 1', and Description 'Cash received from Ali Khan'. The second row has AccountID 2, Date 2025-07-28, Type OUT, Amount 3000.00, Reference 'PaymentID: 2', and Description 'Paid to Star Suppliers'. The third row has AccountID 3, Date 2025-07-27, Type IN, Amount 5850.00, Reference 'ReceiptID: 3', and Description 'Cash received from Junaid Malik'. The fourth row has AccountID 4, Date 2025-07-25, Type OUT, Amount 4000.00, Reference 'PaymentID: 1', and Description 'Paid to Ahmad Traders'. The fifth row has AccountID 5, Date 2025-07-26, Type IN, Amount 2500.00, Reference 'ReceiptID: 4', and Description 'Cash received from Faiza Noor'.

	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

The screenshot shows a Microsoft SQL Server Management Studio (SSMS) window titled 'Results'. It displays a table with two columns: ProductID and StockQty. There are five rows of data. The first row has ProductID 1 and StockQty 0. The second row has ProductID 2 and StockQty 15. The third row has ProductID 3 and StockQty 0. The fourth row has ProductID 4 and StockQty 28. The fifth row has ProductID 5 and StockQty 3.

	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	Ahmed 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

Results Messages

	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

Results Messages

	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

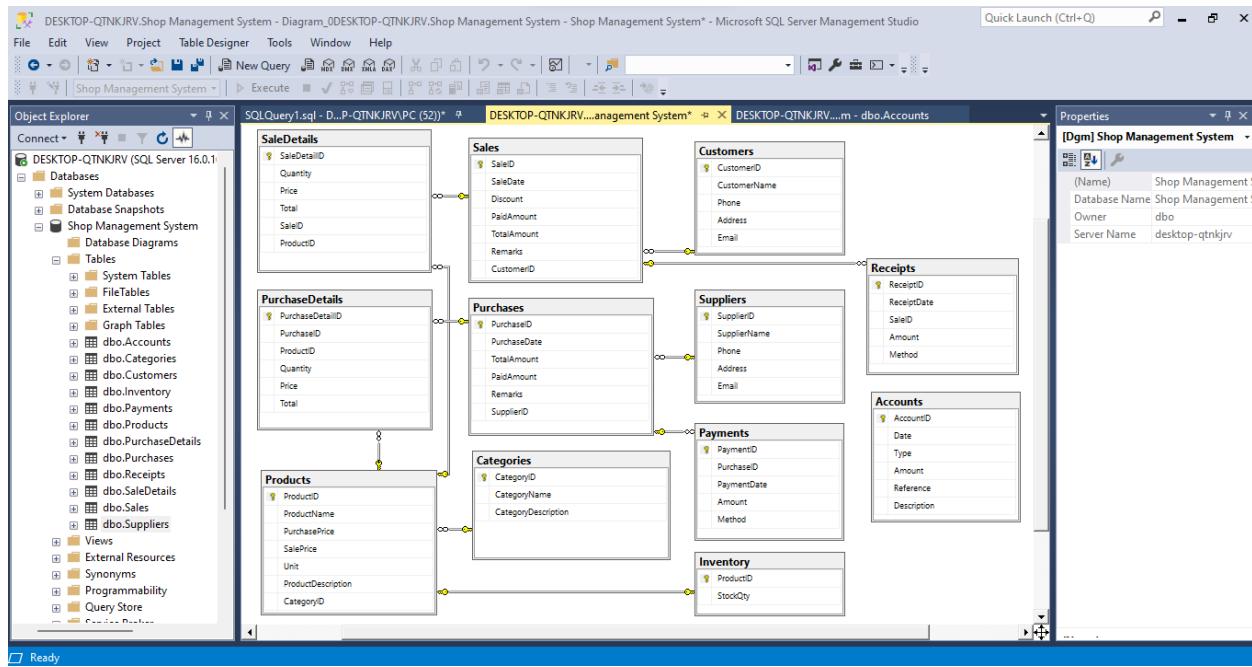
Query executed successfully. DESKTOP-QTNKJRV (16.0 RTM) DESKTOP-QTNKJRV\PC (78) Shop Management System 00:00:00 5 rows

CUSTOMER-TABLE

Results Messages

	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)

The screenshot shows a SQL query window titled "SQLQuery14.sql - ...P-QTNKJRV\PC (52)*". The query selects Date, Type, Amount, Reference, and Description from the Accounts table, ordered by Date in descending order. The results show five rows of cash transactions.

```
SELECT Date, Type, Amount, Reference, Description
FROM Accounts
ORDER BY Date DESC;
```

	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

The screenshot shows a complex SQL query combining multiple tables: Sales, Customers, SaleDetails, and Products. It retrieves CustomerName, SaleID, SaleDate, ProductName, Quantity, Price, Total, TotalAmount, Discount, and PaidAmount. The results are ordered by SaleDate in descending order and CustomerName.

```
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;
```

	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

```
SQLQuery14.sql -...P-QTNKJRV\PC (52)* X
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;
```

100 %

	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

```
SQLQuery14.sql -...P-QTNKJRV\PC (52)* X
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;
```

100 %

	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

The screenshot shows the Microsoft SQL Server Management Studio interface. The Object Explorer on the left shows a database named 'Shop Management System'. The central pane displays a T-SQL query:

```
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 Customer C ON S.CustomerID = C.CustomerID
  JOIN SaleDetails SD ON S.SaleID = SD.SaleID
  JOIN Products P ON ProductID = P.ProductID
 WHERE C.CustomerName = 'Ali Khan'
 ORDER BY S.SaleDate DESC;
```

The Results pane shows the output of the query:

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

The status bar at the bottom indicates "Query executed successfully." and other session details.

Stock of All Products

The screenshot shows the Microsoft SQL Server Management Studio interface. The Object Explorer on the left shows a database named 'Shop Management System'. The central pane displays a T-SQL query:

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

The Results pane shows the output of the query:

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

The status bar at the bottom indicates "Query executed successfully." and other session details.