





Query 1 ✕


 Run ☐ Cancel query  Save query  Export data as  Show only Editor

```
1 CREATE TABLE Customers (  
2   CustomerID INT PRIMARY KEY,  
3   FirstName VARCHAR(50),  
4   LastName VARCHAR(50),  
5   Email VARCHAR(100)  
6 );  
7  
8 CREATE TABLE Orders (
```





Results Messages

Query succeeded: Affected rows: 0

Query succeeded | 0s



Query 1 ✕


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```
1 INSERT INTO Customers (CustomerID, FirstName, LastName, Email)  
2 VALUES  
3 (1, 'John', 'Doe', 'john.doe@example.com'),  
4 (2, 'Jane', 'Smith', 'jane.smith@example.com')  
5  
6
```





Results Messages

Query succeeded: Affected rows: 2

Query succeeded | 0s



Query 1 ×

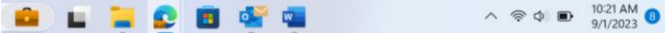
 Run ☐ Cancel query  Save query  Export data as  Show only Editor

```
1 INSERT INTO Orders (OrderID, CustomerID, OrderDate, TotalAmount)
2 VALUES
3 (1, 1, '2023-08-01', 50.00),
4 (2, 2, '2023-08-15', 75.00)
```





Results Messages

Query succeeded: Affected rows: 2

Query succeeded | 0s



Query 1 ×

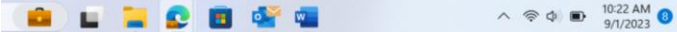
 Run ☐ Cancel query  Save query  Export data as  Show only Editor

```
1 Select * from Orders
2
```

Results Messages

OrderID	CustomerID	OrderDate	TotalAmount
1	1	2023-08-01T00:00:00.00...	50.00
2	2	2023-08-15T00:00:00.00...	75.00

Query succeeded | 0s



Query 1 ✕

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```
1 SELECT Customers.*, Orders.*
2 FROM Customers
3 INNER JOIN Orders ON Customers.CustomerID = Orders.CustomerID;
4
```

Results Messages

Search to filter items...

CustomerID	FirstName	LastName	Email	OrderID
1	John	Doe	john.doe@example.c...	1
2	Jane	Smith	jane.smith@example...	2

Query succeeded | 0s

10:23 AM 9/1/2023

Query 1 ✕

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```
1 SELECT Customers.*, Orders.*
2 FROM Customers
3 LEFT JOIN Orders ON Customers.CustomerID = Orders.CustomerID;
4
```

Results Messages

Search to filter items...

CustomerID	FirstName	LastName	Email	OrderID
1	John	Doe	john.doe@example.c...	1
2	Jane	Smith	jane.smith@example...	2

Query succeeded | 0s

10:24 AM 9/1/2023

Query 1 ✕

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```
1 SELECT CustomerID FROM Customers
2 UNION
3 SELECT CustomerID FROM Orders;
```

Results Messages

Search to filter items...

CustomerID
1
2

Query succeeded | 0s

10:24 AM 9/1/2023

Query 1 ✕

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```
1 SELECT CustomerID FROM Customers
2 UNION ALL
3 SELECT CustomerID FROM Orders;
```

Results Messages

CustomerID
1
2
1
2

Query succeeded | 7s

Query 1 ✕

Run ☐ Cancel query Save query Export data as Show only Editor

```
1 SELECT CustomerID FROM Customers
2 INTERSECT
3 SELECT CustomerID FROM Orders;
```

Results Messages

Search to filter items...

CustomerID
1
2

Query succeeded | 7s

Query 1 ✕

Run ☐ Cancel query Save query Export data as Show only Editor

```
1 SELECT * FROM Orders WHERE CustomerID IN
2 (SELECT CustomerID FROM Customers WHERE Email = 'john.doe@example.com');
```

Results Messages

Search to filter items...

OrderID	CustomerID	OrderDate	TotalAmount
1	1	2023-08-01T00:00:00.00...	50.00

Query succeeded | 0s

Query 1 X

Run ☐ Cancel query Save query Export data as Show only Editor


```
1 SELECT * FROM Customers WHERE CustomerID IN (SELECT CustomerID FROM
2 Orders);
```

Results Messages

Search to filter items...

CustomerID	FirstName	LastName	Email
1	John	Doe	john.doe@example.com
2	Jane	Smith	jane.smith@example.com

Query succeeded | 0s



Query 1 X


Run ☐ Cancel query Save query Export data as Show only Editor

```
1 CREATE PROCEDURE GetOrdersByEmail(
2 @email VARCHAR(100))
3 AS
4 SELECT Orders.*
5 FROM Customers
6 INNER JOIN Orders ON Customers.CustomerID = Orders.CustomerID
7 WHERE Customers.Email = @email;
8
```

Results Messages

Query succeeded: Affected rows: 0

Query succeeded | 0s



Query 1 X

Run ☐ Cancel query Save query Export data as Show only Editor


```
1 Exec GetOrdersByEmail @email = 'john.doe@example.com';
```

Results Messages

Search to filter items...

OrderID	CustomerID	OrderDate	TotalAmount
1	1	2023-08-01T00:00:00.00...	50.00
2	2	2023-08-15T00:00:00.00...	75.00

Query succeeded | 0s



Query 1

Run ☐ Cancel query Save query Export data as Show only Editor

```
1 CREATE FUNCTION CalculateTotalAmount
2 (
3     @OrderID INT
4 )
5 RETURNS DECIMAL(10, 2)
6 AS
7 BEGIN
8     DECLARE @TotalAmount DECIMAL(10, 2);
```

Results Messages

Query succeeded: Affected rows: 0

Query succeeded | 0s

Query 1

Run ☐ Cancel query Save query Export data as Show only Editor

```
1 DECLARE @OrderTotal DECIMAL(10, 2);
2 SET @OrderTotal = dbo.CalculateTotalAmount(1);
3 SELECT @OrderTotal AS TotalAmount;
4
```

Results Messages

Search to filter items...

TotalAmount
50.00

Query succeeded | 0s

Query 1

Run ☐ Cancel query Save query Export data as Show only Editor

```
1 CREATE VIEW BasicCustomerView AS
2 SELECT CustomerID, FirstName, LastName
3 FROM Customers;
```

Results Messages

Query succeeded: Affected rows: 0

Query succeeded | 0s

Query 1 ✕


Run ☐ Cancel query Save query Export data as Show only Editor

```
1 CREATE VIEW CustomerOrderView AS
2 SELECT C.CustomerID, C.FirstName, C.LastName, O.OrderID, O.OrderDate, O.TotalAmount
3 FROM Customers C
4 INNER JOIN Orders O ON C.CustomerID = O.CustomerID;
5
```

Results Messages

Query succeeded: Affected rows: 0

Query succeeded | 0s



Query 1 ✕


Run ☐ Cancel query Save query Export data as Show only Editor

```
1 CREATE VIEW CustomerTotalSalesView AS
2 SELECT C.CustomerID, C.FirstName, C.LastName, SUM(O.TotalAmount) AS TotalSales
3 FROM Customers C
4 LEFT JOIN Orders O ON C.CustomerID = O.CustomerID
5 GROUP BY C.CustomerID, C.FirstName, C.LastName;
```

Results Messages

Query succeeded: Affected rows: 0

Query succeeded | 0s



Query 1 ✕

▶ Run □ Cancel query ↓ Save query ↓ Export data as ▼ ■ Show only Editor

```
1 CREATE CLUSTERED INDEX IX_ProductID ON Products (ProductID);
2
```

◀

Results Messages

✖ Query failed

3:31 PM 9/1/2023

Query 1 ✕ Query 2 ✕

▶ Run □ Cancel query ↓ Save query ↓ Export data as ▼ ■ Show only Editor

```
1 CREATE NONCLUSTERED COLUMNSTORE INDEX CS_Price ON Products (Price)
```

◀

Results Messages

A connection to the server 'saumya-server.database.windows.net' could not be established.

◀ ▶

⚠ Query canceled

3:33 PM 9/1/2023

Single row subquery:

Query 1 ✕

Run ☐ Cancel query Save query Export data as Show only Editor

```
1 Select Pname, price, (Select avg(Price) from paintings) from paintings;
```

Results Messages

Pname	price	
Patterns	5000	5840
Ringer	4500	5840
Gift	3200	5840
Violin Lessons	6700	5840

Query succeeded | 0s

Multiple row subquery: Subquery that returns multiple rows as an output to their parent query.

Query 1 ✕

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```
1 select * from sales_agents where id not in (select id from managers);
```

Results Messages

Search to filter items...

id	last_name	firstname	gallery_id	agency_fee
3	Black	Sarah	2	1640
5	Stewart	Tom	3	2130

Query succeeded | 0s

Correlated subqueries: that return multiple columns as output depending on the information obtained from the parent query.