

# SQL Server UNION Operator

 [javatpoint.com/sql-server-union-operator](https://javatpoint.com/sql-server-union-operator)

In SQL Server, the UNION operator is used to combine the result-set of two or more SELECT statements.

## Syntax:

1. SELECT expression1, expression2, ... expression\_n
2. FROM tables
3. [WHERE conditions]
4. UNION
5. SELECT expression1, expression2, ... expression\_n
6. FROM tables
7. [WHERE conditions];

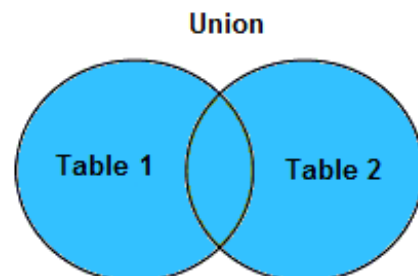
## Parameter explanation

**expression1, expression2, ... expression\_n:** expressions specify the columns or calculations that you want to compare between the two SELECT statements.

**tables:** It specifies the tables that you want to retrieve records from. There must be at least one table listed in the FROM clause.

**WHERE conditions:** It is optional condition. It specifies the conditions that must be met for the records to be selected.

## Image representation:



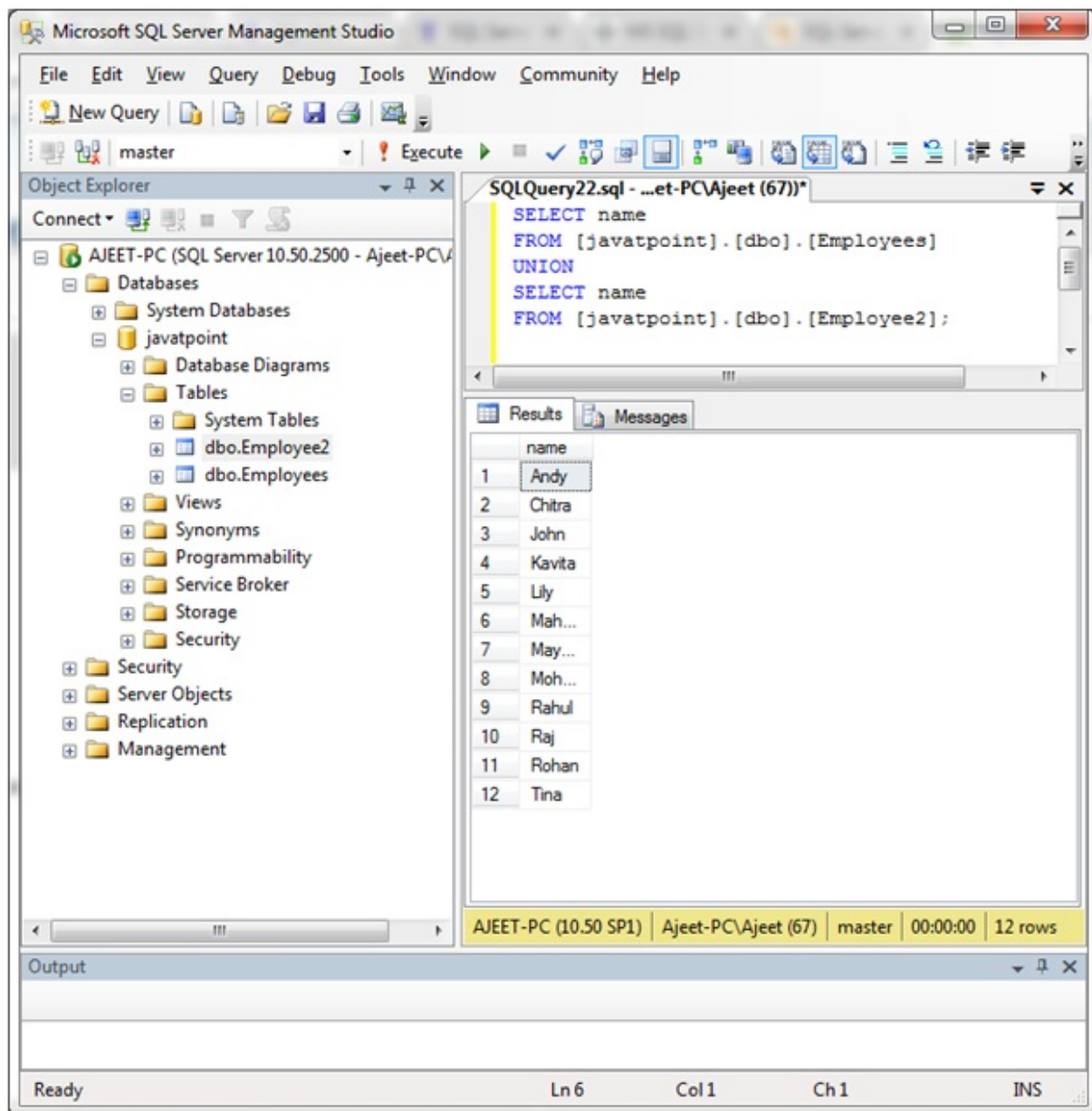
Note: The covered blue area specifies the union data.

## UNION operator with single expression

### Example:

1. SELECT name
2. FROM [javatpoint].[dbo].[Employees]
3. UNION
4. SELECT name
5. FROM [javatpoint].[dbo].[Employee2];

Output:



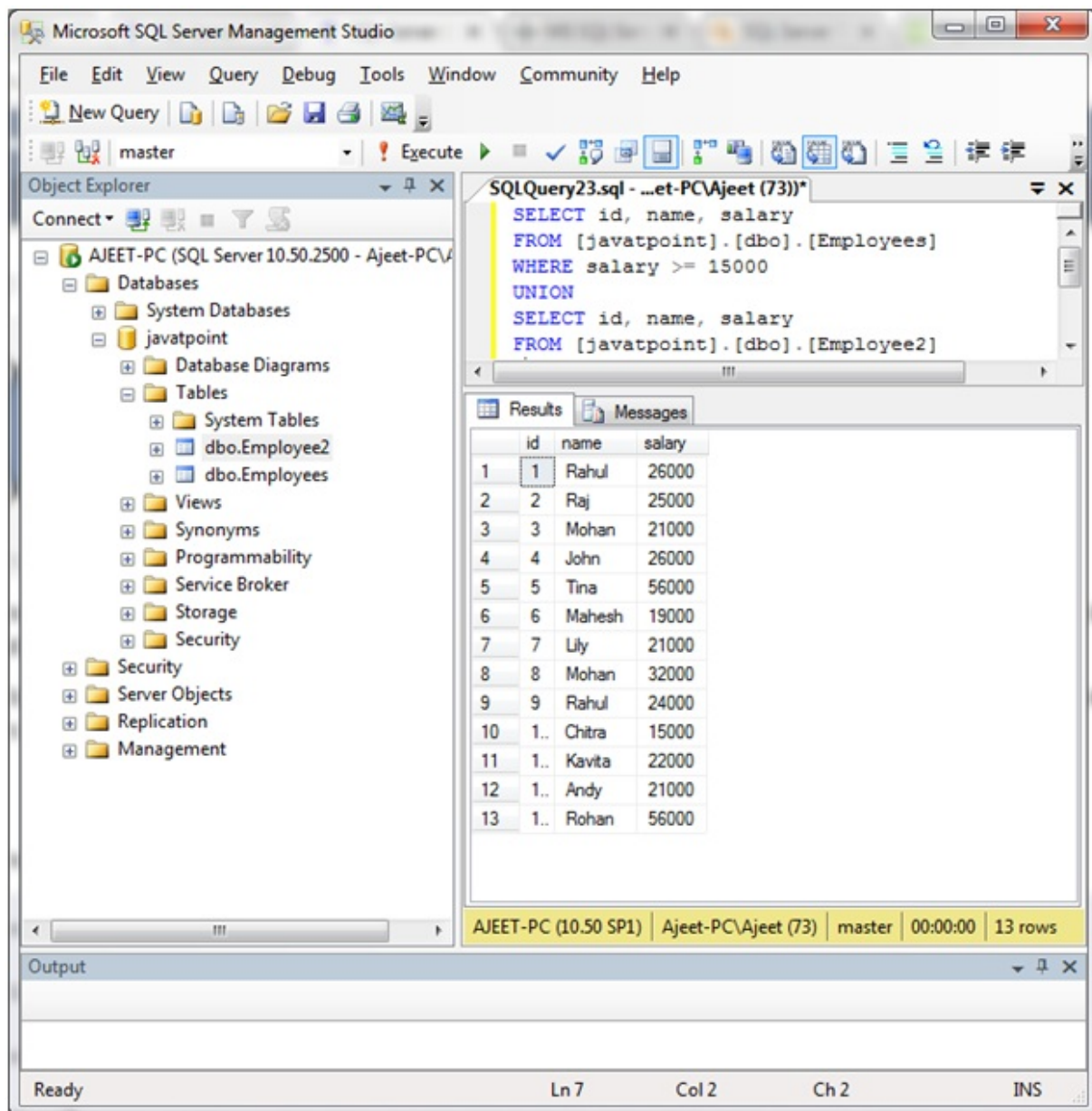
## UNION operator with multiple expressions

### Example:

Let's use multiple expressions of each table. For example: id, name, salary.

1. SELECT id, name, salary
2. FROM [javatpoint].[dbo].[Employees]
3. WHERE salary >= 15000
4. UNION
5. SELECT id, name, salary
6. FROM [javatpoint].[dbo].[Employee2]

Output:



## UNION ALL Operator

The UNION operator selects only distinct values by default. So, the UNION ALL operator is used to allow duplicate values also.

1. SELECT column\_name(s) FROM table1
2. UNIONALL
3. SELECT column\_name(s) FROM table2;

### Example:

1. SELECT id, name, salary
2. FROM [javatpoint].[dbo].[Employees]
3. WHERE salary >= 15000
4. UNION
5. SELECT id, name, salary
6. FROM [javatpoint].[dbo].[Employee2]

Output:

Microsoft SQL Server Management Studio

File Edit View Query Debug Tools Window Community Help

New Query

master

Execute

Object Explorer

Connect

AJEET-PC (SQL Server 10.50.2500 - Ajeet-PC)

Databases

System Databases

javatpoint

Database Diagrams

Tables

System Tables

dbo.Employee2

dbo.Employees

Views

Synonyms

Programmability

Service Broker

Storage

Security

Security

Server Objects

Replication

Management

SQLQuery24.sql - ...et-PC\Ajeet (74)\*

```
SELECT id, name, salary
FROM [javatpoint].[dbo].[Employees]
WHERE salary >= 15000
UNION
SELECT id, name, salary
FROM [javatpoint].[dbo].[Employee2]
```

Results

	id	name	salary
1	1	Rahul	26000
2	2	Raj	25000
3	3	Mohan	21000
4	4	John	26000
5	5	Tina	56000
6	6	Mahesh	19000
7	7	Lily	21000
8	8	Mohan	32000
9	9	Rahul	24000
10	1..	Chitra	15000
11	1..	Kavita	22000
12	1..	Andy	21000
13	1..	Rohan	56000

AJEET-PC (10.50 SP1) | Ajeet-PC\Ajeet (74) | master | 00:00:00 | 13 rows

Output

Ready Ln 7 Col 1 Ch 1 INS