

SQL Server IN () Operators

 javatpoint.com/sql-server-in-operator

The SQL Server IN condition is used to avoid multiple OR conditions in a SELECT, INSERT, UPDATE, or DELETE statement.

Syntax

1. expression IN (value1, value2, value_n);

Parameter explanation

expression: It specifies a value to test.

value1, value2,.. value_n: It specifies the values to test against expression.

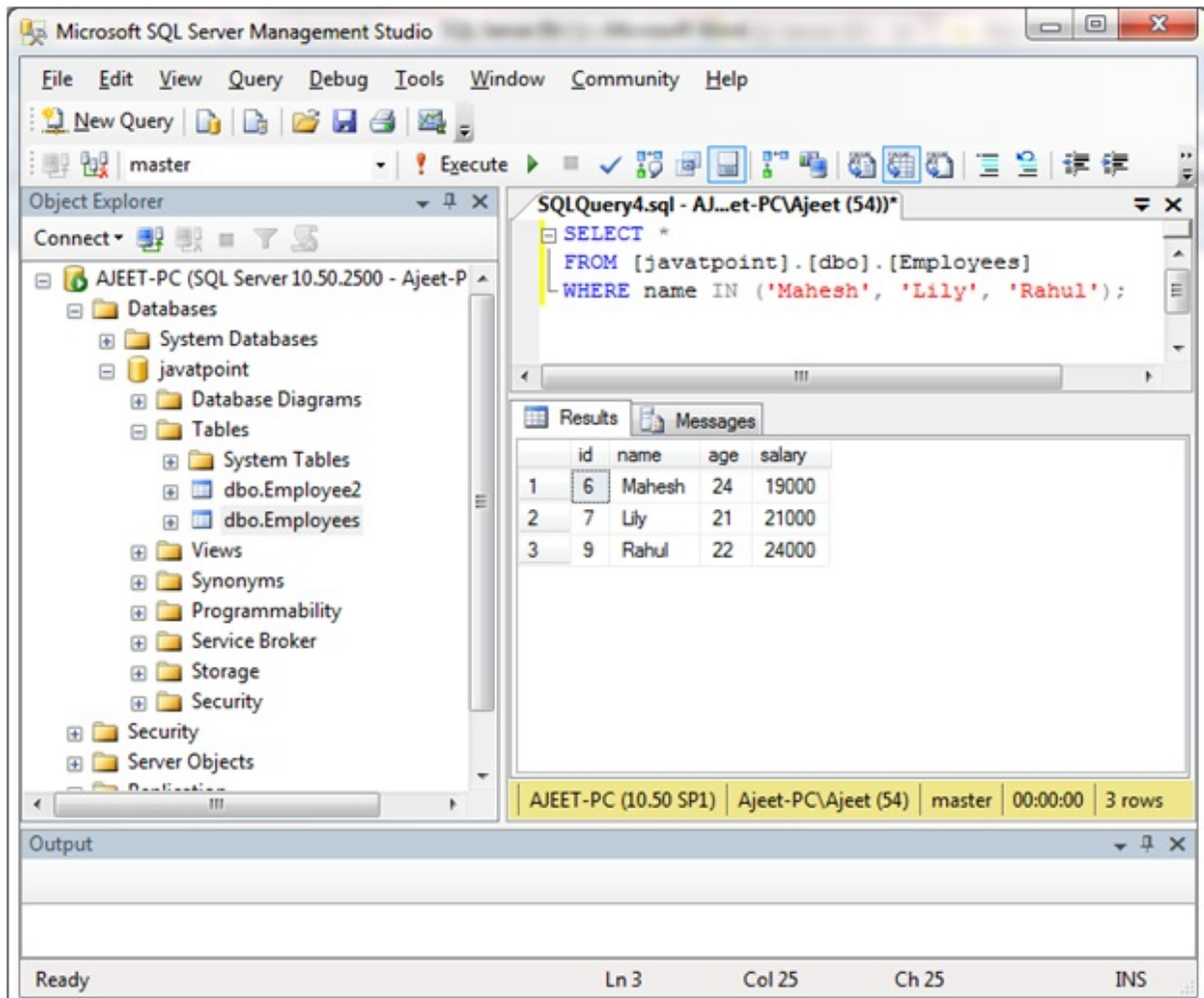
Note: The SQL Server IN condition is also called the SQL Server IN operator.

IN Condition with string values

An SQL Server SELECT statement that uses the IN condition to compare string values:

1. SELECT *
2. FROM [javatpoint].[dbo].[Employees]
3. WHERE name IN ('Mahesh', 'Lily', 'Rahul');

Output:



The screenshot shows the Microsoft SQL Server Management Studio interface. The 'Object Explorer' on the left displays the database structure for 'AJEET-PC (SQL Server 10.50.2500 - Ajeet-P)'. The 'Query Editor' on the right shows the following SQL query:

```
SELECT *
FROM [javatpoint].[dbo].[Employees]
WHERE name IN ('Mahesh', 'Lily', 'Rahul');
```

The 'Results' pane below the query editor displays the output of the query:

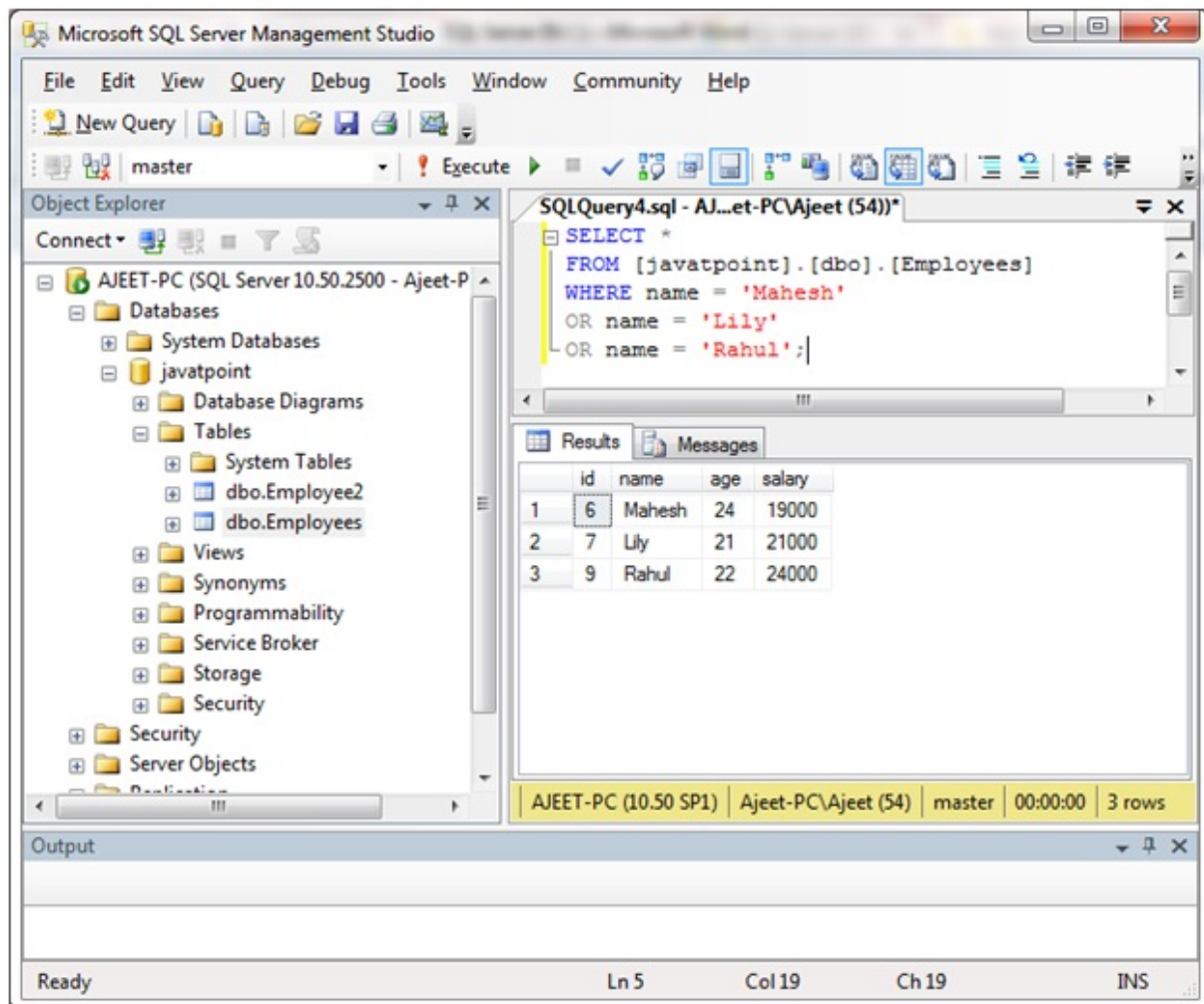
	id	name	age	salary
1	6	Mahesh	24	19000
2	7	Lily	21	21000
3	9	Rahul	22	24000

The status bar at the bottom indicates 'Ready', 'Ln 3', 'Col 25', 'Ch 25', and 'INS'.

Or

1. SELECT *
2. FROM [javatpoint].[dbo].[Employees]
3. WHERE name = 'Mahesh'
4. OR name = 'Lily'
5. OR name = 'Rahul';

Output:

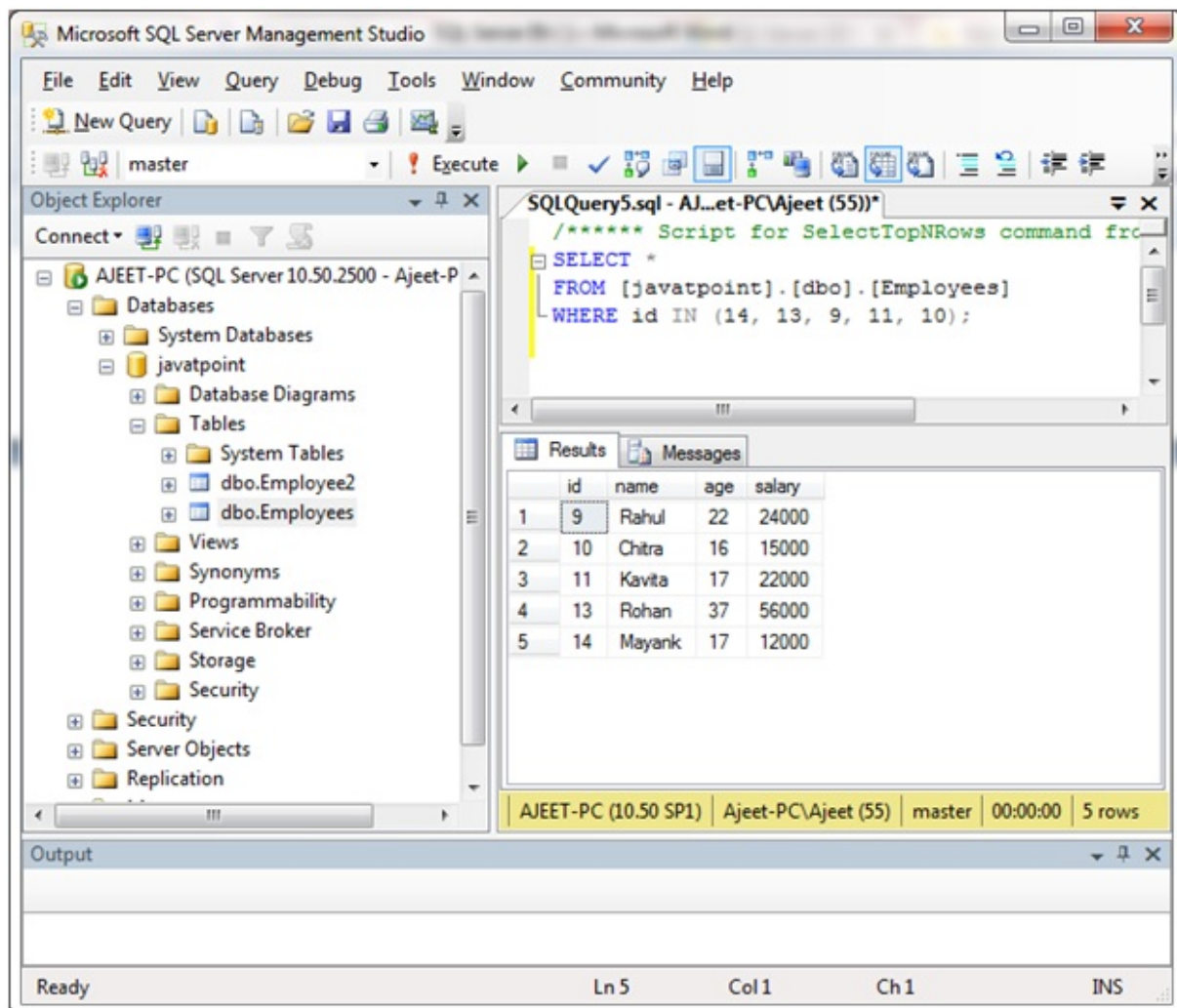


IN Condition with numeric values

An SQL Server SELECT statement that uses the IN condition to compare numeric values:

1. SELECT *
2. FROM [javatpoint].[dbo].[Employees]
3. WHERE id IN (14, 13, 9, 11, 10);

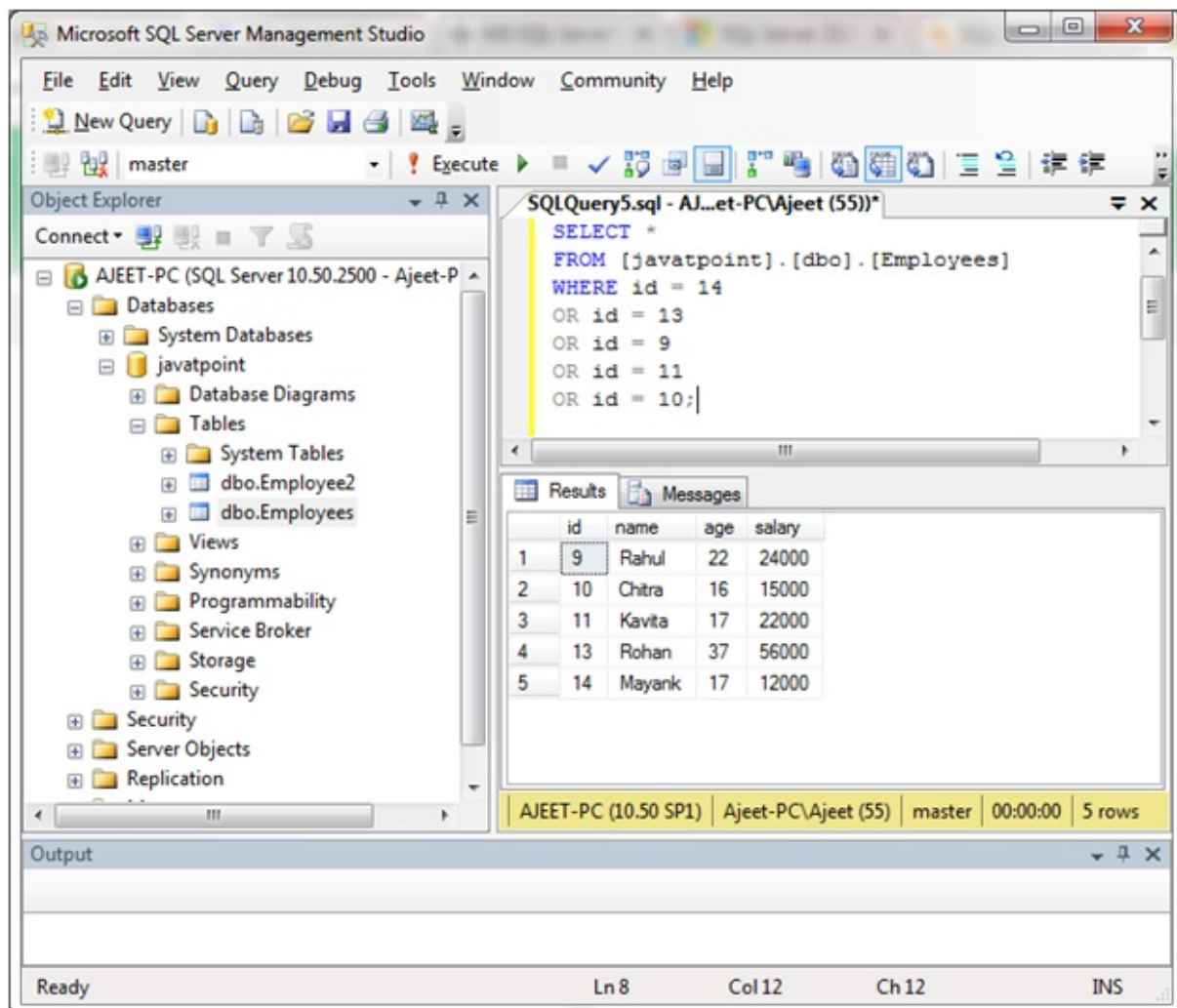
Output:



Or

1. SELECT *
2. FROM [javatpoint].[dbo].[Employees]
3. WHERE id = 14
4. OR id = 13
5. OR id = 9
6. OR id = 11
7. OR id = 10;

Output:

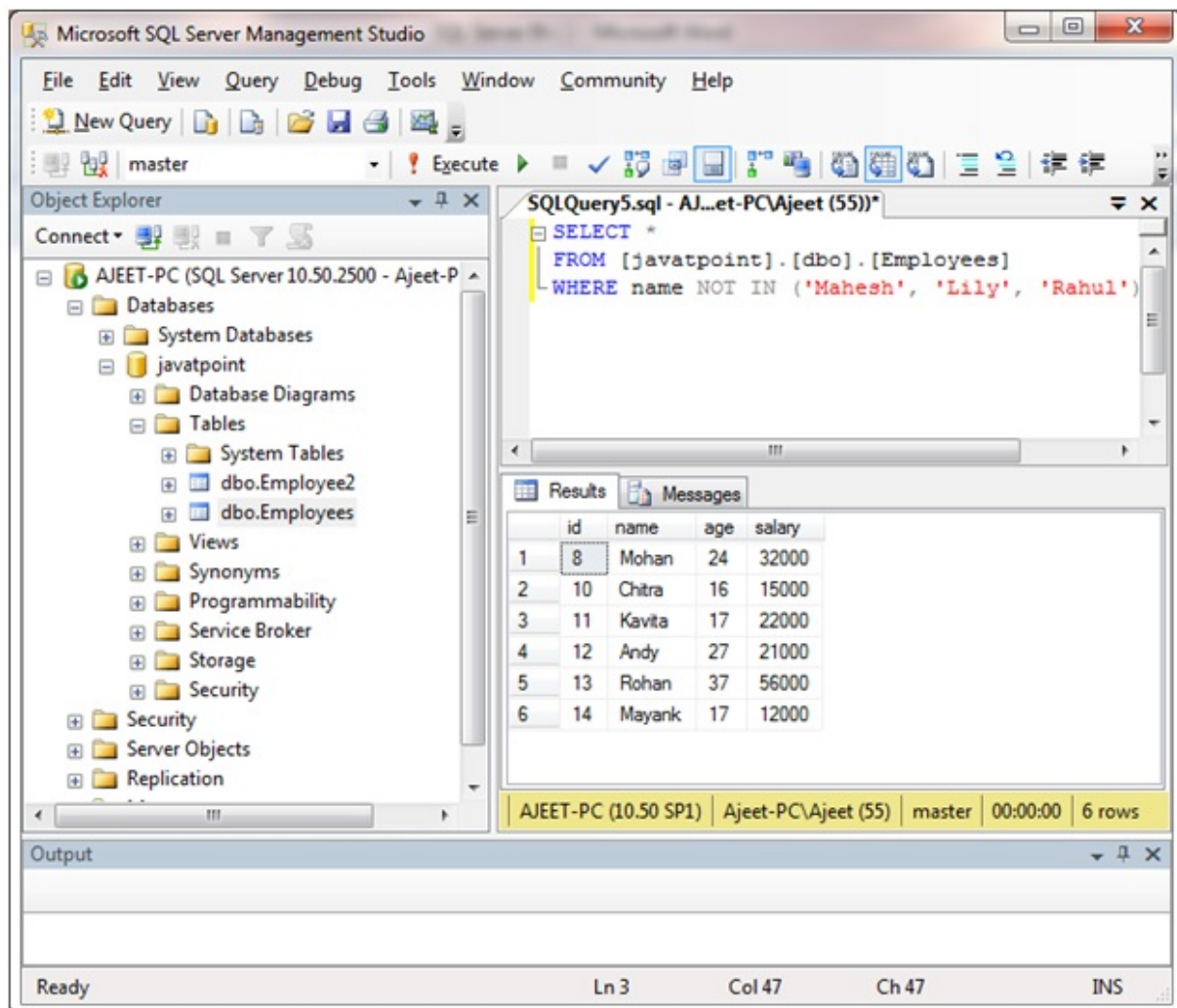


IN Condition using NOT Operators

An SQL Server SELECT statement that uses the IN condition with NOT operator:

1. SELECT *
2. FROM [javatpoint].[dbo].[Employees]
3. WHERE name NOT IN ('Mahesh', 'Lily', 'Rahul');

Output:



Or

1. SELECT *
2. FROM [javatpoint].[dbo].[Employees]
3. WHERE name <> 'Mahesh'
4. AND name <> 'Lily'
5. AND name <> 'Rahul';

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-P

Databases

System Databases

javatpoint

Database Diagrams

Tables

System Tables

dbo.Employee2

dbo.Employees

Views

Synonyms

Programmability

Service Broker

Storage

Security

Security

Server Objects

Replication

SQLQuery5.sql - AJ...et-PC\Ajeet (55)**

```
SELECT *  
FROM [javatpoint].[dbo].[Employees]  
WHERE name <> 'Mahesh'  
AND name <> 'Lily'  
AND name <> 'Rahul';
```

Results

	id	name	age	salary
1	8	Mohan	24	32000
2	10	Chitra	16	15000
3	11	Kavita	17	22000
4	12	Andy	27	21000
5	13	Rohan	37	56000
6	14	Mayank	17	12000

Messages

Que... AJEET-PC (10.50 SP1) Ajeet-PC\Ajeet (55) master 00:00:00 6 rows

Output

Ready Ln 6 Col 1 Ch 1 INS