

SQL Server DISTINCT Clause

 [javatpoint.com/sql-server-distinct-clause](https://www.javatpoint.com/sql-server-distinct-clause)

In SQL Server, DISTINCT clause is used to remove duplicates from the table. The DISTINCT clause is only used with SELECT statement.

Syntax:

1. SELECT DISTINCT expressions
2. FROM [database_name].[dbo].[table_name]
3. [WHERE conditions];

Parameter explanation

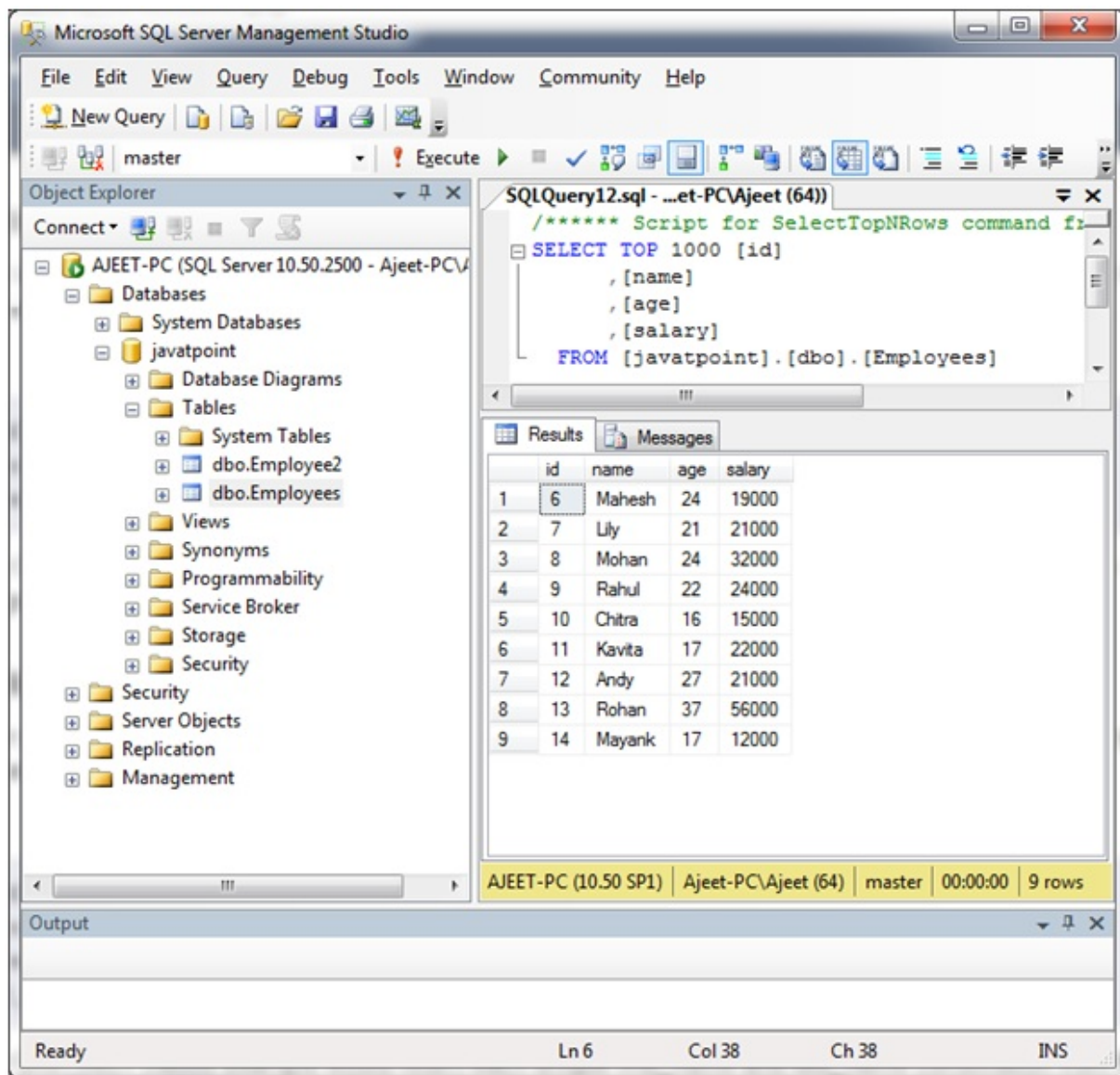
expressions: It specifies the columns or calculations that you want to retrieve.

database_name & table_name: It specifies the name of the database and name of the table on which you want to do your operations.

Example:

DISTINCT clause with single expression

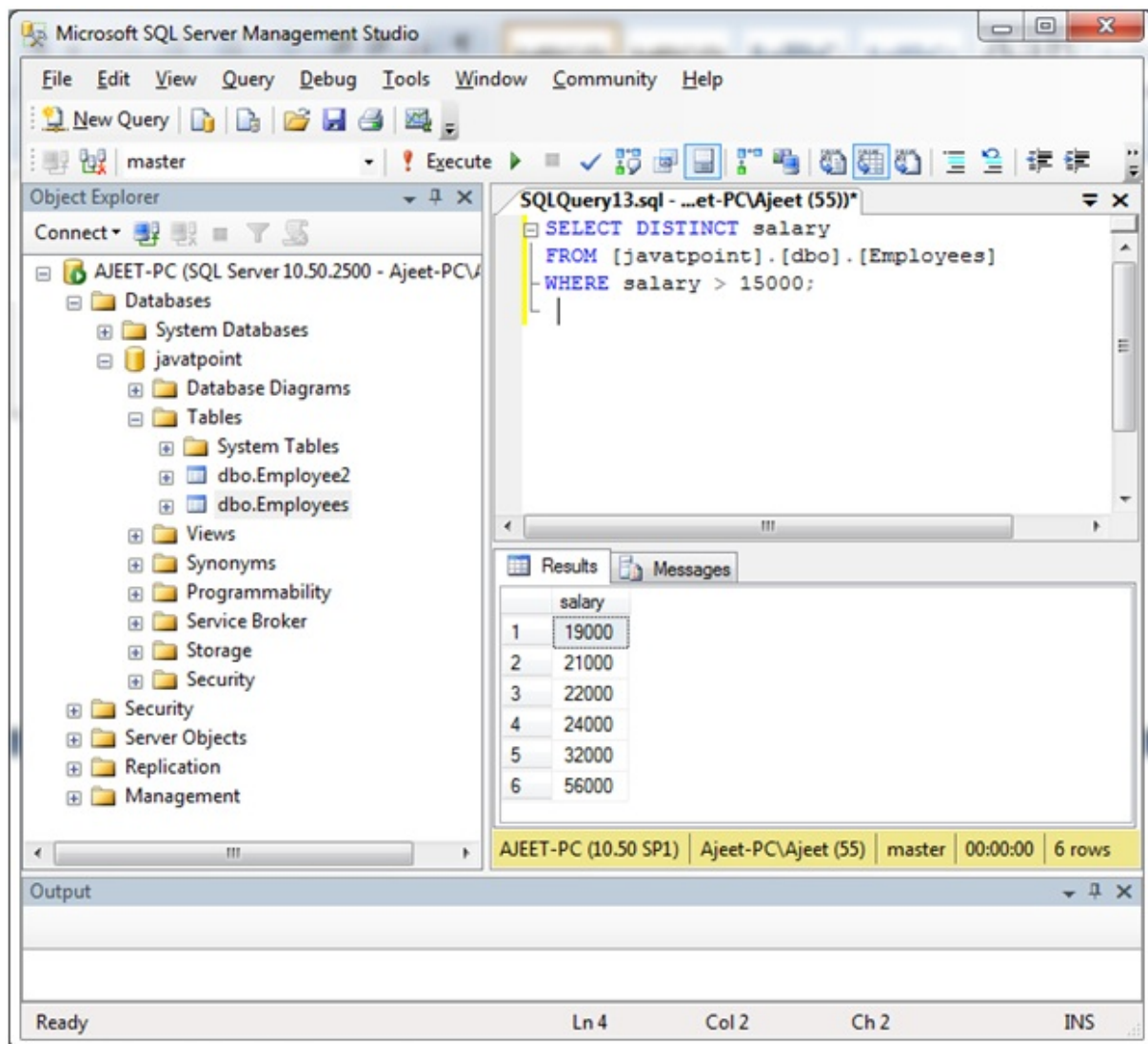
You have a table named "Employees", having the following data:



Select distinct salary from Employees where salary is greater than 12000.

1. SELECTDISTINCT salary
2. FROM [javatpoint].[dbo].[Employees]
3. WHERE salary > 15000;

Output:



Here, you can see that there is only 6 distinct salaries within 9 records. Distinct clause shows only unique records.

DISTINCT clause with multiple expressions

DISTINCT clause can also be used with multiple expressions. It will remove duplicates from more than one field in your SELECT statement.

1. `SELECT DISTINCT name, age, salary`
2. `FROM [javatpoint].[dbo].[Employees]`
3. `WHERE id > 7;`

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\Ajeet)

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

SQLQuery14.sql - ...et-PC\Ajeet (66)**

```
/****** Script for SelectTopNRows command f:
SELECT DISTINCT name, age, salary
FROM [javatpoint].[dbo].[Employees]
WHERE id > 7;
```

Results

	name	age	salary
1	Andy	27	21000
2	Chitra	16	15000
3	Kavita	17	22000
4	Mayank	17	12000
5	Mohan	24	32000
6	Rahul	22	24000
7	Rohan	37	56000

AJEET-PC (10.50 SP1) | Ajeet-PC\Ajeet (66) | master | 00:00:00 | 7 rows

Output

Ready Ln 4 Col 15 Ch 15 INS