

# The FROM clause in SQL Server

The SQL Server FROM clause (T-SQL) is used to list the necessary tables in the SQL Server query.

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## FROM clause clause

```
FROM bang1
[ { INNER JOIN
| LEFT OUTER JOIN
| RIGHT OUTER JOIN
| FULL OUTER JOIN } bang2
ON bang1.cot1 = bang2.cot1 ]
```

## Variable names and variable values

**bang1** and **bang2** - tables used in SQL statements. Two linked tables according to the principle of state1.cot1 = bang2.cot1.

### Note

1. Must have at least 1 table in the FROM clause.
2. If there are 2 or more tables, these tables are usually connected by keywords INNER or OUTER. Although it is possible to connect using the old syntax in the WHERE clause, it is recommended to use the new standard with the connection rule in the FROM clause.

### Example - 1 table

```
SELECT *
FROM nhanvien
WHERE ten = 'Jane';
```

This example uses the FROM clause to get the table of nhanvien , no other connection tables.

### Example - 2 tables with INNER JOIN

```
SELECT nhacungcap.nhacungcap_id, nhacungcap.nhacungcap_ten, donhang.donhang_ngay
FROM nhacungcap
INNER JOIN donhang
ON nhacungcap.nhacungcap_id = donhang.nhacungcap_id;
```

In this example, the FROM clause gives 2 tables and donhang , connecting these two tables with INNER JOIN with nhacungcap\_id column on both tables.

### Example - 2 tables with OUTER JOIN

```
SELECT nhanvien.nhanvien_id, danhba.ho
FROM nhanvien
LEFT OUTER JOIN danhba
ON nhanvien.nhanvien_id = danhba.danhba_id
WHERE nhanvien.ten = 'Sarah';
```

This FROM clause gives two tables, nhanvien and danhba , using LEFT OUTER JOIN to connect with nhanvien\_id column in both tables.

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