

# BETWEEN conditions in SQL Server

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In SQL Server (Transact-SQL), BETWEEN conditions are used to retrieve data in a range, in the SELECT, INSERT, UPDATE, or DELETE commands.

## Syntax of BETWEEN conditions

```
bieu_thuc BETWEEN giatri1 AND giatri2 ;
```

## Variable name or variable value

### **bieu\_thuc**

column or information field

### **giri1 and giatri2**

values ??that make up the range that will be compared, including the two end values.

## Note

The BETWEEN condition will return all records that bieu\_thuc is between girth1 and giri2, including 2 end values.

## For example - numerical value

```
SELE CT *  
FROM nhanvien  
WHERE n hanvien_id BETWEEN 25 AND 100;
```

The above example will return rows in the table if nhanvien\_id is between 25 and 100 (including 25 and 100), equivalent to the SELECT statement below.

```
SELEC T *  
FROM nhanvien  
WHERE nhanvien_id >= 25  
AND nhanvien_i d = 100;
```

## Example - with date

```
SELECT *
FROM nhanvien
WHERE ngay_bat_dau BETWEEN '05/05/2014' AND '05/31/2014';
```

The above BETWEEN conditions return records from the table with the value ngay\_bat\_dau between May 1, 2014 and May 31, 2014 (including the first and last days). The above command is equivalent to the SELECT command below.

```
SELECT *
FROM nhanvien
WHERE ngay_bat_dau >= '2014/05/01'
AND ngay_bat_dau = '05/05/2014';
```

### Example - NOT operator

```
SELECT *
FROM nhanvien
WHERE nhanvien_id NOT BETWEEN 2000 AND 2999;
```

The SELECT statement returns rows from the table if nhanvien\_id is not between 2000 and 2999, including the two end values, equivalent to the following command.

```
SELECT *
FROM nhanvien
WHERE nhanvien_id < 2000
OR nhanvien_id > 2999;
```

Last lesson: JOIN in SQL Server

The following article: INSERT command in SQL Server

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