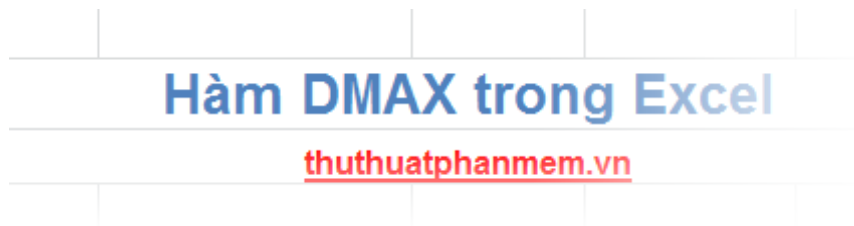


# DMAX () function (returns conditional maximum value) in Excel

DMAX () is the function that returns the maximum value in a column in a list or database that satisfies the condition that you give.

As you know, the MAX () function helps you return the largest of the input values. But if you want to get the maximum value that satisfies a given condition, the MAX () function cannot do it. To do that you need to use the DMAX () function, the DMAX () function will help you get the maximum value and satisfy the input conditions.



If you do not know the syntax and usage of the DMAX () function, you follow the article below:

## Description

DMAX () is the function that returns the maximum value in a column in a list or database that satisfies the condition that you give.

## Syntax

= DMAX (database, field, criteria)

Inside:

- **database:** list or related database including column headers.
- **field:** the field (column) needs to get the maximum value. You can enter the column header directly in quotation marks or some representing the column position in the database: 1 for the first column, 2 for the second column, etc., you can also enter the cell containing the required column header. Using example B3, C1 .
- **criteria:** is the range of cells that contain conditions, you can choose any as long as the range contains at least one column header and the cell below the column header contains conditions for the column.

## Note

- You should set the criteria range on the worksheet so that when adding data, the range of conditions does not change.
- The scope of the conditions that need to be separated is not inserted into the list or database to be processed.
- Criteria must contain at least column headers and a cell containing conditions under column headers.

## For example

Find the highest salary of female employees in the following data table:

Mã NV	Tên Nhân Viên	Giới Tính	Quê Quán	Lương
NV0001	Nguyễn Thị An	Nữ	Hải Phòng	4500000
NV0001	Trần Văn Anh	Nam	Thái Bình	5500000
NV0003	Mai Văn Bình	Nam	Quảng Ninh	5000000
NV0004	Nguyễn Thị Châm	Nữ	Quảng Ninh	4800000
NV0005	Trần Thị Duyên	Nữ	Hải Phòng	5600000
NV0006	Lê Minh Đức	Nam	Bắc Giang	5000000

Firstly, facilitating Gender as a Female.

Mã NV	Tên Nhân Viên	Giới Tính	Quê Quán	Lương
NV0001	Nguyễn Thị An	Nữ	Hải Phòng	4500000
NV0001	Trần Văn Anh	Nam	Thái Bình	5500000
NV0003	Mai Văn Bình	Nam	Quảng Ninh	5000000
NV0004	Nguyễn Thị Châm	Nữ	Quảng Ninh	4800000
NV0005	Trần Thị Duyên	Nữ	Hải Phòng	5600000
NV0006	Lê Minh Đức	Nam	Bắc Giang	5000000

Next apply the DMAX formula:

**= DMAX (B8: F14, F8, D5: D6)**

**B8: F14** is the data table to find the highest salary.

**F8** is the Salary column, the column to find the highest salary value.

**D5: D6** is the criteria condition area.

Your results will be as follows:

The screenshot shows an Excel spreadsheet with the following content:

- Formula bar: `=DMAX(B8:F14,F8,D5:D6)`
- Row 1: Column F is highlighted in yellow.
- Row 2: Title "Hàm DMAX trong Excel" in blue.
- Row 3: URL "thuthuatphanmem.vn" in red.
- Row 5: Criteria "Giới Tính" in D5, "Nữ" in D6.
- Row 8: Table header with columns: Mã NV, Tên Nhân Viên, Giới Tính, Quê Quán, Lương.
- Row 9-14: Data rows for employees.
- Row 16: Cell F16 contains the result "5600000".
- Row 16: Cell C16 contains the text "Lương cao nhất của nhân viên nữ".

Mã NV	Tên Nhân Viên	Giới Tính	Quê Quán	Lương
NV0001	Nguyễn Thị An	Nữ	Hải Phòng	4500000
NV0001	Trần Văn Anh	Nam	Thái Bình	6000000
NV0003	Mai Văn Bình	Nam	Quảng Ninh	5000000
NV0004	Nguyễn Thị Châm	Nữ	Quảng Ninh	4800000
NV0005	Trần Thị Duyên	Nữ	Hải Phòng	5600000
NV0006	Lê Minh Đức	Nam	Bắc Giang	5000000

The article has described, presented the syntax and with specific examples hope you will understand and know how to use the DMAX () function in Excel. Good luck!

You finished reading the article "**DMAX () function (returns conditional maximum value) in Excel**" edited by the [TipsMake](#) team. We hope this article has provided you with many useful tech tips and tricks. You can search for similar articles on tips and guides. Thank you for reading and for following us regularly.