

# UPPER Function

All alphabetical characters in the input value are converted to uppercase in the output value.

Input can be a column reference or a string literal.

## Basic Usage

### Column reference example:

```
upper(MyName)
```

**Output:** Returns the values from the `MyName` column written in UPPER.

### String literal example:

```
upper('Hello, World')
```

**Output:** Returns the string: `HELLO, WORLD`.

## Syntax

```
upper(column_string)
```

Argument	Required?	Data Type	Description
column_string	Y	string	Name of the column or string literal to be applied to the function

For more information on syntax standards, see *Language Documentation Syntax Notes*.

## column\_string

Name of the column or string constant to be converted.

- Missing string or column values generate missing string results.
- String constants must be quoted ('Hello, World').
- Multiple columns and wildcards are not supported.

### Usage Notes:

Required?	Data Type	Example Value
Yes	String literal or column reference	myColumn

## Examples

## Example - uppercase, lowercase, propercase functions

### Source:

In the following example, you can see a number of input values in the leftmost column. The output columns are blank.

input	uppercase	lowercase	propercase
AbCdEfGh IjKIMnO			
go West, young man!			
Oh, *(\$%(&! That HURT!			
A11 w0rk and n0 0play makes Jack a dull boy.			

### Transformation:

To generate uppercase, lowercase, and propercase values in the output columns, use the following transforms:

<b>Transformation Name</b>	Edit column with formula
<b>Parameter: Columns</b>	uppercase
<b>Parameter: Formula</b>	UPPER(input)

<b>Transformation Name</b>	Edit column with formula
<b>Parameter: Columns</b>	lowercase
<b>Parameter: Formula</b>	LOWER(input)

<b>Transformation Name</b>	Edit column with formula
<b>Parameter: Columns</b>	propercase
<b>Parameter: Formula</b>	PROPER(input)

### Results:

input	uppercase	lowercase	propercase
AbCdEfGh IjKIMnO	ABCDEFGH IJKLMNO	abcdefgh ijklmno	Abcdefgh Ijklmno
go West, young man!	GO WEST, YOUNG MAN!	go west, young man!	Go West, Young Man!
Oh, *(\$%(&! That HURT!	OH, *(\$%(&! THAT HURT!	oh, *(\$%(&! that hurt!	Oh, *(\$%(&! That Hurt!
A11 w0rk and n0 0play makes Jack a dull boy.	A11 W0RK AND N0 0PLAY MAKES JACK A DULL BOY.	a11 w0rk and n0 0play makes jack a dull boy.	A11 W0rk And N0 0play Makes Jack A Dull Boy.