

# DATEADD Function

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Add a specified number of units to a valid date. Units can be any supported Datetime unit (e.g. minute, month, year, etc.). Input must be a column reference containing dates.

**NOTE:** If this function computes values out of the supported range of dates, the values are written as mismatched values, and the column is likely to be typed as a Datetime column. For more information on supported date ranges, see *Datetime Data Type*.

## Basic Usage

```
derive type:single value:DATEADD(myDate, 3, month)
```

**Output:** Generates a column of values calculating the values in the `myDate` column with three months added to them.

**NOTE:** Output dates are always formatted with dashes. For example, if the input values include 12/31/2016, a DATEADD function output might be 03-31-2016.

## Syntax and Arguments

```
derive type:single value:DATEADD(date,delta,date_units)
```

Argument	Required?	Data Type	Description
date	Y	datetime	Starting date to compare
delta	Y	integer	Number of units to apply to the date value.
date_units	Y	string	String literal representing the date units to use in the comparison

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

### date

Date values to which to add. It must be a column reference.

**Usage Notes:**

Required?	Data Type	Example Value
Yes	String (Date column reference)	LastContactDate

**delta**

Number of units to apply to the date values.

- Negative integer values are accepted.

**Usage Notes:**

Required?	Data Type	Example Value
Yes	Integer	-3

**date\_units**

Unit of date measurement to which to apply the delta value.


**Usage Notes:**

Required?	Data Type	Example Value
Yes	String	year

**Accepted Value for date units:**

- year
- quarter
- month
- dayofyear
- day
- hour
- minute
- second
- millisecond

**Examples**

 **Tip:** For additional examples, see *Common Tasks*.

**Example - DATEADD Function**

**Source:**

Here are some example invoices and their dates. You want to calculate the 90-day and 180-day limits, at which point interest is charged.

InvNum	InvDate
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inv0001	1/1/2016
inv0002	7/15/2016
inv0003	12/30/2016

**Transform:**

```
derive type:single value:DATEADD(InvDate,90,day) as:'plus90'
```

```
derive type:single value:DATEADD(InvDate,180,day) as:'plus180'
```

**Results:**

**i** **NOTE:** The output format is always formatted with dashes.

InvNum	InvDate	plus90	plus180
inv0001	1/1/2016	3-31-2016	6-29-2016
inv0002	7/15/2016	10-13-2016	1-11-2017
inv0003	12/30/2016	3-30-2017	6-28-2017