

# DATEADD Function

## Contents:

- *Basic Usage*
- *Syntax and Arguments*
  - *date*
  - *delta*
  - *date\_units*
- *Examples*
  - *Example - 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*.

**Wrangle vs. SQL:** This function is part of Wrangle , a proprietary data transformation language. Wrangle is not SQL. For more information, see *Wrangle Language*.

## Basic Usage

```
dateadd(myDate, 3, month)
```

**Output:** Returns 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

```
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
- month
- week
- 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
inv0001	1/1/2016
inv0002	7/15/2016
inv0003	12/30/2016

**Transformation:**

<b>Transformation Name</b>	New formula
<b>Parameter: Formula type</b>	Single row formula
<b>Parameter: Formula</b>	dateadd(InvDate,90,day)
<b>Parameter: New column name</b>	'plus90'

<b>Transformation Name</b>	New formula
<b>Parameter: Formula type</b>	Single row formula
<b>Parameter: Formula</b>	dateadd(InvDate,180,day)
<b>Parameter: New column name</b>	'plus180'

**Results:**

**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