

datediff

Last Modified on 13/12/2021 12:49 pm AEDT

Returns the duration of time between two date or time values.

Function

```
result = datediff(period, first, second)
```

Arguments

Argument	Data Type
----------	-----------

period	datepart
---------------	----------

first	date or time or datetime
--------------	--------------------------

second	date or time or datetime
---------------	--------------------------

result	integer
---------------	---------

Comments

Counts the number of *period* intervals from *first* to *second*. Returns a positive number if the *second* value is chronologically after the *first* value, and a negative value if it is before.

This function operates in the local time-zone if datetime inputs are provided. See [Dates, Times and Time Zones](#).

Take care when calculating time differences that span across a daylight saving adjustment. The datediff result is calculated based on the actual time that has elapsed, therefore a day is not necessarily equal to 24 hours.

Examples

```
result = datediff(year, #2000-12-31#, getdate()) /* result is 19 if the current year is 2019 */
```

```
result = datediff(day, #2019-06-20#, #2019-07-10#) /* result is 20 */
```

```
result = datediff(day, #2019-07-10#, #2019-06-20#) /* result is -20 */
```