

addInterval

Description

Returns the sum of two intervals as a single interval value.

For example, adding an interval of `1d` (one day) to another `1d` produces `2d` (two days).

NOTE

This function also supports negative intervals. For example, `1d + -1h` results in `23h`, following standard arithmetic rules where adding a negative is equivalent to subtraction.

Syntax

Like many functions in DataPrime, `addInterval` supports [two notations](#), **function** and **method** notation. These interchangeable forms allow flexibility in how you structure expressions.

Function notation

```
addInterval(left: interval, right: interval): interval
```

Method notation

```
(left: interval).addInterval(right: interval): interval
```

Arguments

Name	Type	Required	Description
left	interval	true	The first interval to add
right	interval	true	The second interval to add

Example

Use case: Compute total processing time across different units

A document contains both a loading duration in milliseconds and processing timestamps in seconds. To compute the full duration of the transaction, convert the

millisecond value to an interval, compute the processing interval, and add them together.

```
{
  "loading_duration_ms": 5432,
  "processing_start_time": 1728582889,
  "processing_end_time": 1728582899
}
```

Example query

Function notation

```
create processing_duration from diffTime(processing_start_time,
processing_end_time)
| create total_duration from
addInterval(loading_duration_ms.toInterval('ms'), processing_duration)
```

Method notation

```
create processing_duration from
processing_start_time.diffTime(processing_end_time)
| create total_duration from
addInterval(loading_duration_ms.toInterval('ms'), processing_duration)
```

Example output

```
{
  "loading_duration_ms": 5432,
  "processing_start_time": 1728582889,
  "processing_end_time": 1728582899,
  "processing_duration": "10s",
  "total_duration": "15432ms"
}
```

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