

log

Library: `ib_udf`

Added in: IB

Changed in: 1.5

Better alternative: Internal function [LOG\(\)](#)

Description

In Firebird 1.5 and up, `log(x,y)` returns the the base-`x` logarithm of `y`. In Firebird 1.0.x and InterBase, it erroneously returns the base-`y` logarithm of `x`.

Result type: [DOUBLE PRECISION](#)

Syntax (unchanged)

```
log (x, y)
```

Declaration (unchanged)

```
DECLARE EXTERNAL FUNCTION log  
  DOUBLE PRECISION, DOUBLE PRECISION  
  RETURNS DOUBLE PRECISION BY VALUE  
  ENTRY_POINT 'IB_UDF_log' MODULE_NAME 'ib_udf'
```

Warning: If any of your pre-1.5 databases uses `log`, check your PSQL and application code. It may contain workarounds to return the right results. Under Firebird 1.5 and up, any such workarounds should be removed or you'll get wrong results.

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