

### Date functions

<b>add_months</b> (d, n)	Date d plus n months
<b>months_between</b> (d, e)	Months between dates d and e (d-e)
<b>last_day</b> (d)	Last day of the month containing date d
<b>next_day</b> (d, weekday)	the first weekday (mon, etc.) after d
<b>new_time</b> (d, z1, z2)	Convert date/time from time zone z1 to z2
<b>round</b> (d[, fmt])	d rounded on fmt; default midnight
<b>trunc</b> (d[, fmt])	d truncated on fmt; default: midnight
<b>extract</b> (c from d)	Extract date/time component c from expression d

### General functions

<b>greatest</b> (a, b, ...)	Greatest value
<b>least</b> (a, b, ...)	Least value
<b>nullif</b> (a, b)	NULL if a=b; otherwise a
<b>coalesce</b> (a, b, ...)	The first NOT NULL argument; NULL if all are NULL
<b>NVL</b> (x, y)	When x is NULL then y; else x
<b>NVL2</b> (x, y, z)	When x is not NULL then y, else z
<b>Case</b> x ... end	<b>when a1 then b1</b> <b>when a2 then b2...</b> <b>else y</b>
<b>decode</b> (x, a1, b1, a2, b2 ... [, y])	when x=a1 then b1 when x=a2 then b2 else y (or default: NULL)

### Date functions: constants

<b>date</b> 'yyyy-mm-dd'	date '2018-01-25'
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### Date functions: constants (cont)

<b>timestamp</b> 'yyyy-mm-dd hh24:mi:ss.ffffff' [at time zone '...']	timestamp '2014-09-23 23:59:59.999999' at time zone 'CET'
<b>timestamp</b> 'yyyy-mm-dd hh24:mi:ss.ffffff' {+ -}hh:mi'	timestamp '2014-08-21 23:59:59.99 -5:00'
<b>interval 'expr'</b> <qualifier>	interval '1' year; interval '1 2:3' day to minute

### Sample function

<b>sample</b> (p)	p: percentage
<b>seed</b> (n)	n: No. of the seed

### Conversion functions

<b>to_char</b> (n[,fmt])	Convert number n to a string
<b>to_char</b> (d[,fmt])	Convert date/time expression d to a string
<b>to_number</b> (t)	Convert string t to a number
<b>to_binary_</b> <b>float</b> (e[, fmt])	Convert expression e to a floating-point number
<b>to_binary_</b> <b>double</b> (e[, fmt])	Convert expression e to a double-precision, floating-point number
<b>to_date</b> (t[, fmt])	Convert string t to a date
<b>to_yminterval</b> (t)	Convert string to a YEAR TO MONTH interval
<b>to_dsinterval</b> (t)	Convert string t to a DAY TO SECOND interval
<b>to_timestamp</b> (t[, fmt])	Convert string to a timestamp
<b>cast</b> (e as t)	Convert expression e to datatype t

### "fmt" for date functions and conversion functions

<b>cc, scc</b>	Century, with or without minus sign (BC)	Same
<b>[s]yyyy, [s]year, yyy, yy, y</b>	Year (in various appearances)	Same
<b>iyyyy, iyy, iy, i</b>	ISO year	Same
<b>bc, ad</b>		BC/AC indicator
<b>q</b>	Quarter	Same
<b>month</b>	Month (full name)	Month name, padded with spaces to length 9
<b>mon, mm, rm</b>	Month (abbreviated name, numeric, Roman numerals)	Same
<b>iw, ww</b>	(ISO) week number	Same
<b>w</b>	Day of the week	Week number within the month
<b>ddd, dd, j</b>	Day (of the year/month/Julian day)	Same
<b>day</b>	Closest Sunday	Day name, padded with spaces to length 9
<b>dy, d</b>	Closest Sunday	Day name abbreviation (3 characters)
<b>d</b>	Closest Sunday	Day number within the week
<b>am, pm</b>		AM/PM indicator
<b>hh, hh12, hh24</b>	Hours	Same
<b>mi</b>	Minutes	Same
<b>ss</b>		Seconds
<b>sssss</b>		Seconds after midnight
<b>/, ,</b>		Punctuation characters
<b>"..."</b>		String between double quotes displayed within the date expression
<b>fm</b>		Fill mode toggle
<b>th</b>		Ordinal number
<b>sp</b>		Spell-out number

### "fmt" for date functions and conversion functions (cont)

**thsp, spth** Spelled-ordinal number

The conversion function formats are case-sensitive.

