Start-Tech Academy

CURRENT DATE & TIME

CURRENT_DATE function returns the current date.
CURRENT_TIME function returns the current time with the time zone.
CURRENT_TIMESTAMP function returns the current date and time with the time zone.

Syntax

CURRENT_DATE

CURRENT_TIME ([precision])

CURRENT_TIMESTAMP ([precision])

- The CURRENT_DATE function will return the current date as a 'YYYY-MM-DD' format.
- CURRENT_TIME function will return the current time of day as a 'HH:MM:SS.GMT+TZ' format.
- The CURRENT_TIMESTAMP function will return the current date as a 'YYYY-MM-DD HH:MM:SS.GMT+TZ' format.

CURRENT DATE & TIME

CURRENT_DATE function returns the current date.
CURRENT_TIME function returns the current time with the time zone.
CURRENT_TIMESTAMP function returns the current date and time with the time zone.

Example

SELECT CURRENT_DATE;

SELECT CURRENT_TIME;
SELECT CURRENT_TIME(1);

SELECT CURRENT_TIMESTAMP;

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AGE

AGE function returns the number of years, months, and days between two dates.

Syntax

age([date1,] date2)

If date1 is NOT provided, current date will be used

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AGE

AGE function returns the number of years, months, and days between two dates.

Example

```
SELECT age('2014-04-25', '2014-01-01');

SELECT order_line, order_date, ship_date,
            age(ship_date, order_date) as time_taken
FROM sales
ORDER BY time_taken DESC;
```

EXTRACT

EXTRACT function extracts parts from a date

Syntax

EXTRACT ('unit' from 'date')

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EXTRACT

EXTRACT function extracts parts from a date

Units

Unit	Explanation
day	Day of the month (1 to 31)
decade	Year divided by 10
doy	Day of the year (1=first day of year, 365/366=last day of the year, depending if it is a leap year)
epoch	Number of seconds since '1970-01-01 00:00:00 UTC', if date value. Number of seconds in an interval, if interval value
hour	Hour (0 to 23)
minute	Minute (0 to 59)
month	Number for the month (1 to 12), if date value. Number of months (0 to 11), if interval value
second	Seconds (and fractional seconds)
year	Year as 4-digits

EXTRACT

EXTRACT function extracts parts from a date

Example

SELECT EXTRACT(day from '2014-04-25');

SELECT EXTRACT(day from '2014-04-25 08:44:21');

SELECT EXTRACT(minute from '08:44:21');

SELECT order_line, EXTRACT(EPOCH FROM (ship_date - order_date)) FROM sales;