TIMESTAMP & EXTRACT FUNCTIONS IN SQL

SQL Series Part 8

-Mayuri Dandekar

TIMESTAMP

In SQL, we use date and time data types to **store calendar information**.

TIME contains only time, format HH:MI:SS

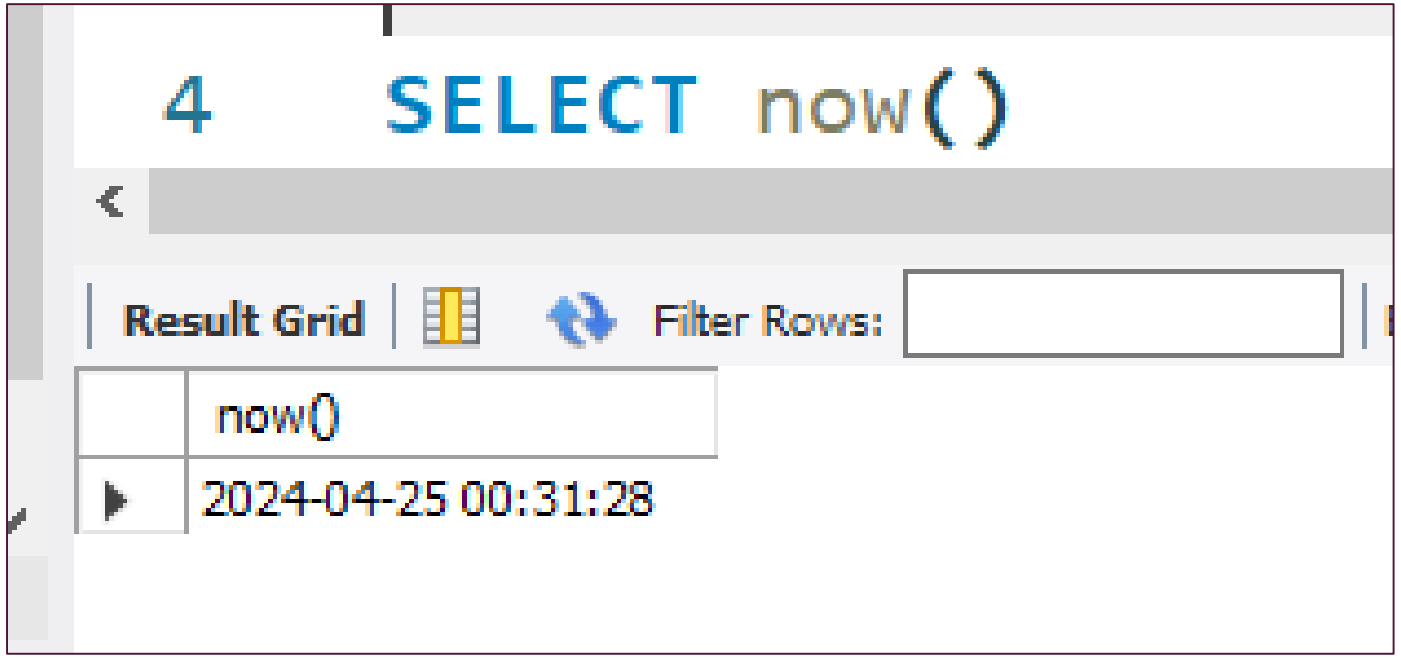
DATE contains on date, format YYYY-MM-DD

YEAR contains on year, format YYYY or YY

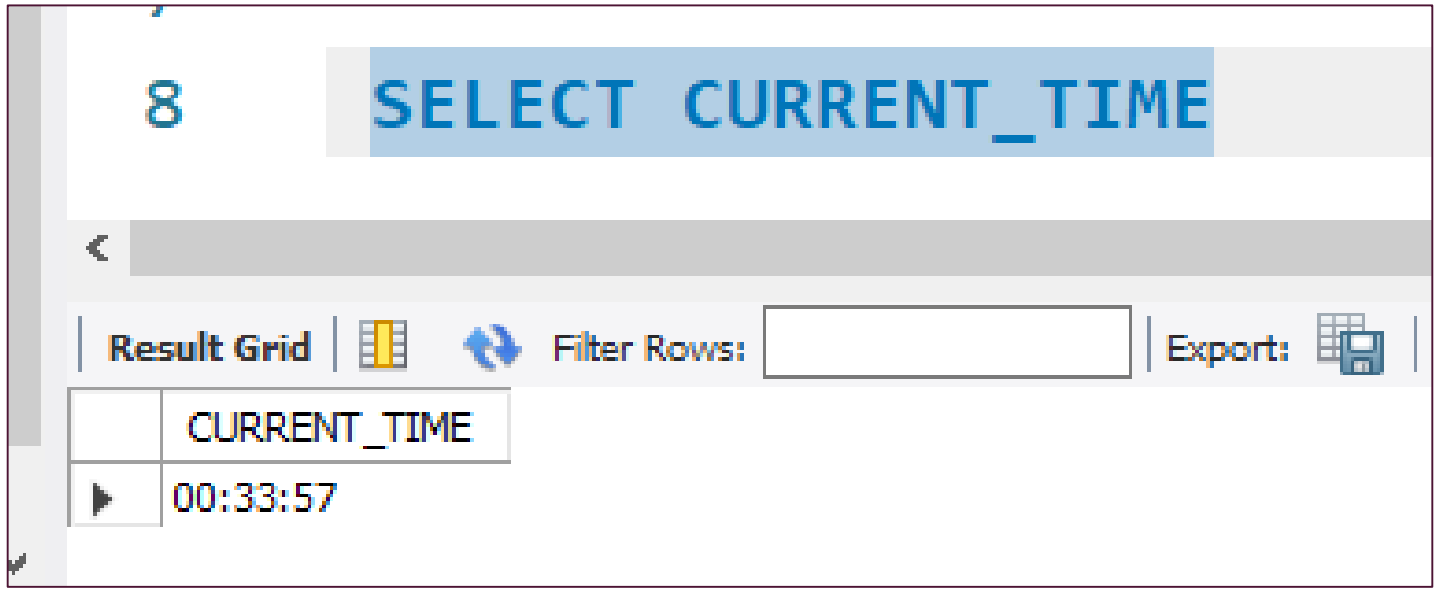
TIMESTAMP contains date and time, format YYYY-MM-DD HH:MI:SS

TIMESTAMPTZ contains date, time and time zone

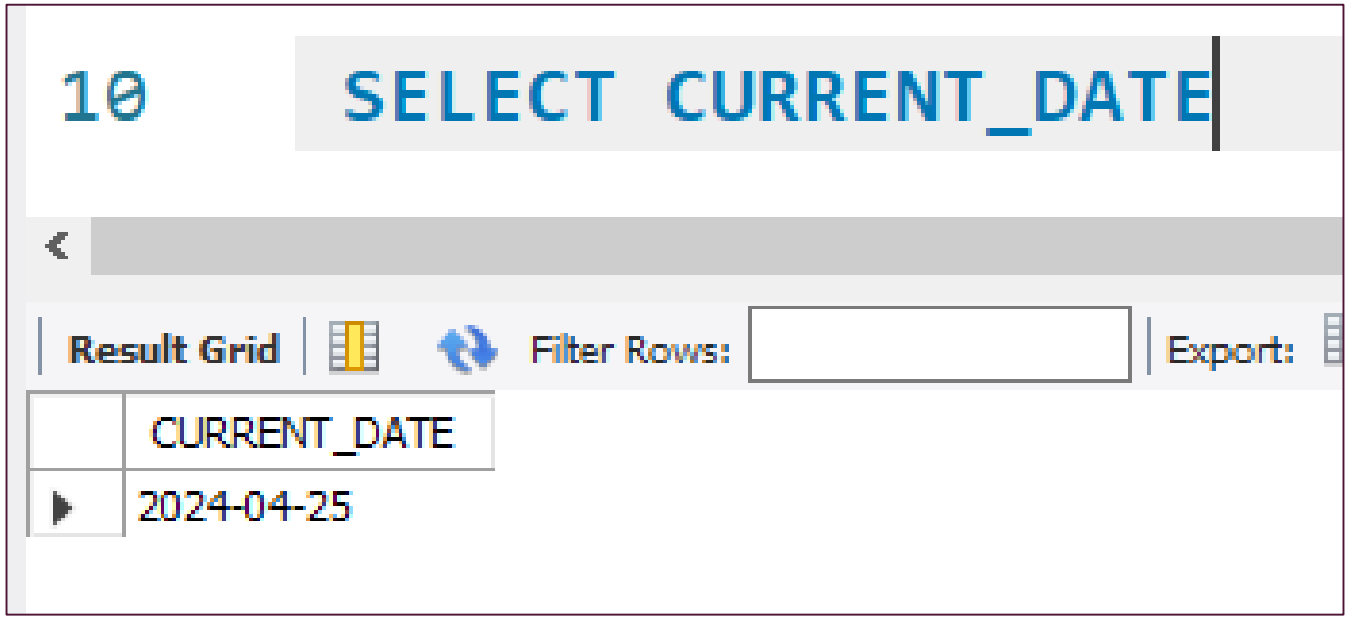
TIMESTAMP FUNCTIONS – NOW()



TIMESTAMP FUNCTIONS – CURRENT_TIME



TIMESTAMP FUNCTIONS – CURRENT_DATE



EXTRACT FUNCTIONS – MONTH

```
14    SELECT EXTRACT(MONTH FROM date) as month, date
15     FROM date;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

month	date
6	2017-06-01
6	2017-06-02
6	2017-06-03
6	2017-06-04
6	2017-06-05
6	2017-06-06
6	2017-06-07

EXTRACT FUNCTIONS – YEAR

```
17 •  SELECT EXTRACT(YEAR FROM date) as year, date
18     FROM date;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

year	date
2017	2017-06-01
2017	2017-06-02
2017	2017-06-03
2017	2017-06-04
2017	2017-06-05
2017	2017-06-06
2017	2017-06-07

EXTRACT FUNCTIONS – DAY

```
20 •  SELECT EXTRACT(day FROM date) as day, date
21     FROM date;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

day	date
1	2017-06-01
2	2017-06-02
3	2017-06-03
4	2017-06-04
5	2017-06-05
6	2017-06-06
7	2017-06-07

EXTRACT FUNCTIONS – QUARTER

```
23 •  SELECT EXTRACT(QUARTER FROM date) as qtr, date
24     FROM date;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

qtr	date
2	2017-06-01
2	2017-06-02
2	2017-06-03
2	2017-06-04
2	2017-06-05
2	2017-06-06
2	2017-06-07

THANK YOU!!!

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