

CURRENT DATE & TIME

CURRENT_DATE function returns the current date.

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

Syntax

CURRENT_DATE

CURRENT_TIMESTAMP ([precision])

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

CURRENT DATE & TIME

CURRENT_DATE function returns the current date.

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

Example

```
SELECT CURRENT_DATE from dual;
```

```
SELECT CURRENT_TIMESTAMP from dual;
```

To get the time only from current timestamp

```
SELECT TO_CHAR(CURRENT_TIMESTAMP, 'HH:MI:SS') FROM dual;
```

MONTHS_BETWEEN

MONTHS_BETWEEN function returns the number of months between two dates.

Syntax

```
SELECT MONTHS_BETWEEN  
      (TO_DATE('date1' , 'format'),  
       TO_DATE('date2' , 'format'))  
FROM DUAL;
```

MONTHS_BETWEEN

MONTHS_BETWEEN function returns the number of months between two dates.

Example

```
SELECT MONTHS_BETWEEN(TO_DATE('2014-04-25','YYYY-MM-DD') ,  
TO_DATE('2014-01-01','YYYY-MM-DD')) from dual;
```

To get the difference in terms of days.

```
SELECT TO_DATE('2014-04-25','YYYY-MM-DD') - TO_DATE('2014-01-01','YYYY-MM-DD') FROM DUAL;
```

```
SELECT order_line, order_date, ship_date,  
TO_DATE(ship_date)-TO_DATE(order_date) time_taken  
from sales  
order by time_taken asc;
```

EXTRACT

EXTRACT function extracts parts from a date

Syntax

EXTRACT ('unit' from 'date')

EXTRACT

EXTRACT function extracts parts from a date

Units

Unit	Explanation
day	Day of the month (1 to 31)
month	Number for the month (1 to 12)
year	Year as 4-digit
Week	(1 - 53) Returns the rank of the week in the year, where the first week starts on the first day of the year.
second	(0 - 59)
minute	(0 - 59)
hour	(0-23)
Quarter	Quarters start in January, April, July, and October.
Day_of_week	(1 - 7)

EXTRACT

EXTRACT function extracts parts from a date

Example

```
SELECT EXTRACT(day from to_date('25-04-14') )from dual;
```

```
SELECT EXTRACT(day from to_date('2014-04-25 08:44:21','YYYY-MM-DD  
HH24:MI:SS')) from dual;
```

```
SELECT EXTRACT(minute from TO_TIMESTAMP('08:44:21','HH24:MI:SS')) from  
dual;
```

```
SELECT order_line, (EXTRACT(day FROM ship_date) - EXTRACT(day FROM  
order_date))*86400 second_diff  
FROM sales;
```