

Date & Time Functions

In this session, you will learn:



• List of Date and Time Functions with example queries



CURRENT_DATE()



returns the current date

Example

SELECT CURRENT_DATE FROM dual;



CURRENT_DATE

15-FEB-2018

SYSDATE()



returns the current system date

Example

SELECT SYSDATE FROM dual;



SYSDATE

15-FEB-2018

Current_date returns the time stamp of the client while sysdate returns the time stamp of the server

ADDMONTHS()



 This function returns a date with a specified number of months added.

Syntax

ADD_MONTHS(date,number_months)

Example

SELECT ADD_MONTHS('15-FEB-2018',2) AS MONTHS_ADDED FROM dual;



MONTHS_BETWEEN()



• This function returns the number of months between date1 and date2.

Syntax

MONTHS_BETWEEN(date1,date2)

Example

SELECT

MONTHS_BETWEEN ('02-Aug-2003', '02-Jun-2003') AS RESULT

FROM dual;

RESULT 2

SELECT

MONTHS_BETWEEN (TO_DATE ('2003/08/02', 'yyyy/mm/dd'),

TO_DATE ('2003/06/02', 'yyyy/mm/dd')) AS RESULT FROM dual;

EXTRACT()



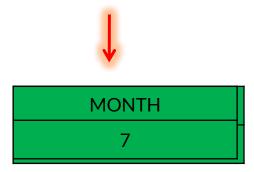
• This function extracts a part of a date

Syntax

EXTRACT(unit from date)

Example

Select EXTRACT([YEAR]/[MONTH]/[DAY] FROM DATE '2017-07-14')
AS [alias] from dual;



LAST_DAY()



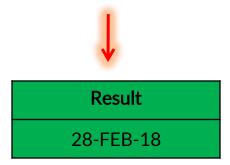
• This function returns the last day of the month based on a date value.

Syntax

LAST_DAY(date);

Example

SELECT LAST_DAY('15-FEB-2018') AS Result FROM dual;



NEXT_DAY()



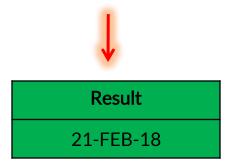
• This function returns the first weekday that is greater than a date.

Syntax

NEXT_DAY(date, weekday);

Example

SELECT NEXT_DAY('15-FEB-2018','Wednesday') AS Result FROM dual;



THANKS

