



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

- 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

- 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_ADDED
15-APR-2018

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;
```

- 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;



MONTH
7

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;
```



Result
28-FEB-18

- 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;
```



Result
21-FEB-18

THANKS

