**Date and Time function**

1. age() function :- age function are used to find the age with use’s two timestamp . Age () function are two type of syntax .

* age(timestamp,timestamp),the first timestamp is current timestamp and second one is which timestamp to find age.
* Example :- postgres=# SELECT AGE(timestamp '2001-04-10', timestamp '1957-06-13');
* age
* -------------------------
* 43 years 9 mons 27 days
* (1 row)
* age(timestamp) : postgres=# select age(timestamp '1994-07-21');
* age
* -------------------------
* 26 years 9 mons 30 days
* (1 row)

2. Find current date/time .

* CURRENT\_DATE Delivers current date.

Example : - postgres=# select current\_date;

current\_date

--------------

2021-05-20

(1 row)

* CURRENT\_TIME Delivers values with time zone.

Example :- postgres=# select current\_time;

current\_time

-----------------------

16:55:30.246204+05:30

(1 row)

* CURRENT\_TIMESTAMP Delivers values with time zone.

Example :- postgres=# select current\_timestamp;

current\_timestamp

----------------------------------

2021-05-20 16:55:37.580135+05:30

(1 row)

* CURRENT\_TIME(precision) Optionally takes a precision parameter, which causes the result to be rounded to that many fractional digits in the seconds field.

Example :-postgres=# select current\_time(3);

current\_time

--------------------

17:06:02.607+05:30

(1 row)

* CURRENT\_TIMESTAMP(precision) Optionally takes a precision parameter, which causes the result to be rounded to that many fractional digits in the seconds field.

Example : - postgres=# select current\_timestamp(2);

current\_timestamp

------------------------------

2021-05-20 17:04:31.39+05:30

(1 row)

* LOCALTIME Delivers values without time zone.

Example : - postgres=# select localtime;

localtime

----------------

17:08:07.47499

(1 row)

* LOCALTIMESTAMP Delivers values without time zone.

Example : -postgres=# select localtimestamp;

localtimestamp

----------------------------

2021-05-20 17:09:32.690486

(1 row)

* LOCALTIME(precision) Optionally takes a precision parameter, which causes the result to be rounded to that many fractional digits in the seconds field.

Example : - postgres=# select localtime(1);

localtime

------------

17:08:16.1

(1 row)

* LOCALTIMESTAMP(precision) Optionally takes a precision parameter, which causes the result to be rounded to that many fractional digits in the seconds field.

Example :-postgres=# select localtimestamp(2);

localtimestamp

------------------------

2021-05-20 17:12:02.89

(1 row)

* now() show the current date ,time and timezone.

Example : - postgres=# select NOW();

now

----------------------------------

2021-05-20 17:15:12.093219+05:30

(1 row)

* timeofday() show day month time and year

Example : - postgres=# select timeofday();

timeofday

-------------------------------------

Thu May 20 17:15:31.199069 2021 IST

(1 row)

* transaction\_timestamp() show the current date ,time and timezone.
* postgres=# SELECT NOW(), TRANSACTION\_TIMESTAMP();
* now | transaction\_timestamp
* ----------------------------------+----------------------------------
* 2021-05-20 17:23:37.861598+05:30 | 2021-05-20 17:23:37.861598+05:30
* (1 row)
* statement\_timestamp()
* Example : - postgres=# SELECT statement\_timestamp();

statement\_timestamp

----------------------------------

2021-05-20 17:30:58.639136+05:30

(1 row)

* clock\_timestamp()
* postgres=# SELECT clock\_timestamp();
* clock\_timestamp
* ----------------------------------
* 2021-05-20 17:32:21.469996+05:30
* (1 row)

3. EXTRACT(field from timestamp), EXTRACT(field from interval)