SQL Learning



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**Functions in SQL :**

**Aggregate function**

**String function**

**Date and Time Functions**

**Mathematical function**

**Conditional function**

**Window / Analytical function**

# **Date & Time Functions in SQL II**

-----to\_char()-format dates as strings

---format added\_date in a custom format(DD-MM-YYYY)

select product\_name,

to\_char(added\_date, 'DD-MM-YYYY') as age\_since\_Added

from products;

select product\_name,

to\_char(added\_date, 'YYYY') as age\_since\_Added

from products;

select product\_name,

to\_char(added\_date, 'DD-Month-YY') as age\_since\_Added

from products;

----DATE PART()-get specific date part

---extract the day of the week from added\_date---

select product\_name,added\_date,

date\_part('dow',added\_date) as day\_of\_week

from products;

--use month,year,day,(date part key name)--

----date\_trunc() - truncate date to precision-----

---trunccate added\_Date to the start of the month----

select product\_name,added\_date,

date\_trunc('month',added\_date) as month\_new

from products;

select product\_name,added\_date,

date\_trunc('month',added\_date) as month\_new,

date\_part('dow',added\_date) as day\_of\_week

from products;

--interval -add or subtract time intervals--

---add 6 months to the added date --

select product\_name,added\_Date,

added\_date + interval '6 month' as new\_date

from products;

----current time() - get current time--

--retrieve only the current time----

select current\_time as current\_time1;

---to\_date()- convert string to date---

---convert a string to a date format----

select to\_Date('28-11-2024','DD-MM-YYYY') as converted\_date;