**Net invoice sales = Gross price – Pre invoice deductions**

**Query to generate a table which**

* **Calculates gross\_price\_total and**
* **Retrieves pre invoice discount pct**

**To subsequently calculate net\_invoice\_sales for a given financial year.**

We need to join the following tables

* **fact\_sales\_monthly** (for sold\_quantity) ,
* **Dim\_product** (for product details, using product\_code),
* **fact\_gross\_price** (to calculate total gross price with sold qty, using product\_code and fiscal year),
* **pre invoice deductions** (for pre\_invoice\_discount\_pct, using customer\_code, fiscal\_year)

EXPLAIN ANALYZE

SELECT

s.date,

s.product\_code,

p.product,

p.variant,

s.sold\_quantity,

g.gross\_price as gross\_price\_per\_item,

ROUND(s.sold\_quantity\*g.gross\_price,2) as gross\_price\_total,

pre.pre\_invoice\_discount\_pct

FROM fact\_sales\_monthly s

JOIN dim\_product p

ON s.product\_code=p.product\_code

JOIN fact\_gross\_price g

ON g.fiscal\_year=get\_fiscal\_year(s.date)

AND g.product\_code=s.product\_code

JOIN fact\_pre\_invoice\_deductions as pre

ON pre.customer\_code = s.customer\_code AND

pre.fiscal\_year=get\_fiscal\_year(s.date)

WHERE

get\_fiscal\_year(s.date)=2021

LIMIT 1000000;

**Execution time is 7 seconds** for the query to Calculate gross\_price\_total and Retrieve pre invoice discount pct\_sales for a given financial year.

We got the desired data of the report (3006 rows) through the above query Exported report as 'croma\_2021\_transacs' as csv file