**Performance Improvement # 2**

Added the fiscal year in the fact\_sales\_monthly table itself to reduce join

SELECT

s.date,

s.customer\_code,

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=s.fiscal\_year

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=s.fiscal\_year

WHERE

s.fiscal\_year=2021

LIMIT 1500000;

**Execution time is 2 seconds** when optimized the query by adding a extra column and reduced a join