**Query to Calculate the net\_sales using Views**

**Net invoice sales = Gross Price - Pre invoice Deductions**

**Net Sales = Net invoice Sales - Post invoice Deductions**

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),
* **fact\_pre\_invoice\_deductions** (for pre\_invoice\_discount\_pct, using customer\_code, fiscal\_year)
* **fact\_post\_invoice\_deductions** (for calculatingpost\_invoice\_discount\_pct using discounts\_pct and other\_deductions\_pct using customer\_code, fiscal\_year)

**Creating a view for post invoice deductions: `sales\_postinv\_discount`**

CREATE VIEW `sales\_postinv\_discount` AS

SELECT

s.date, s.fiscal\_year,

s.customer\_code, s.market,

s.product\_code, s.product, s.variant,

s.sold\_quantity, s.gross\_price\_total,

s.pre\_invoice\_discount\_pct,

(s.gross\_price\_total-s.pre\_invoice\_discount\_pct\*s.gross\_price\_total) as net\_invoice\_sales,

(po.discounts\_pct+po.other\_deductions\_pct) as post\_invoice\_discount\_pct

FROM sales\_preinv\_discount s

JOIN fact\_post\_invoice\_deductions po

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

po.product\_code = s.product\_code AND

po.date = s.date;

**Create a report for net sales using above View**

SELECT

\*,

net\_invoice\_sales\*(1-post\_invoice\_discount\_pct) as net\_sales

FROM gdb0041.sales\_postinv\_discount;

**Creating `net\_sales` view with all the previous created views**

CREATE VIEW `net\_sales` AS

SELECT

\*,

net\_invoice\_sales\*(1-post\_invoice\_discount\_pct) as net\_sales

FROM gdb0041.sales\_postinv\_discount;