**SQL QUERIES FOR SUPPLY CHAIN MANAGEMENT**

**#PRODUCTWISE-SALES**

SELECT PRODUCT\_FAMILY,SUM(SALES) FROM PGE

group by PRODUCT\_FAMILY;

**#REGIONWISE-SALES**

SELECT STORE\_REGION AS REGION,SUM(SALES) FROM PGE

group by REGION;

**#TOP5 STORES**

SELECT STORE\_NAME AS STORE,SUM(SALES)AS SALES FROM PGE

group by STORE

order by SALES DESC

LIMIT 5;

**#STATEWISE-SALES**

SELECT STORE\_STATE AS STATE,SUM(SALES) FROM PGE

group by STATE;

**#PURCHASEWISE-SALES**

select PURCHASE, SUM(SALES) FROM PGE

group by PURCHASE;

**#DAILYWISE-SALES**

SELECT DAY,SUM(SALES) FROM PGE

group by DAY

order by DAY ASC;

**#SALES-GROWTH**

SELECT

YEAR(DATE) AS Year,

SUM(SALES) AS Total\_Sales,

LAG(SUM(SALES)) OVER (ORDER BY YEAR(DATE)) AS Previous\_Year\_Sales,

COALESCE((SUM(SALES) - LAG(SUM(SALES)) OVER (ORDER BY YEAR(DATE))) / LAG(SUM(SALES)) OVER (ORDER BY YEAR(DATE)) \* 100, 0) AS Sales\_Growth\_Percentage

FROM

PGE

GROUP BY

YEAR(DATE)

ORDER BY

YEAR(DATE);

**#TOTAL-INVENTORY**

SELECT SUM(QUANTITY\_ON\_HAND) AS TOTAL\_INV FROM INV;

**#INVENTORY-VALUE**

SELECT SUM(INV\_VALUE) AS INV\_VALUE FROM INV;