Sql queries

select \* from sales123.supermarket\_sales1;

SELECT `Product line`,

SUM(`Unit price` \* Quantity) AS total\_sales,

SUM(`gross income`) AS total\_gross\_income,

AVG(`gross margin percentage`) AS avg\_gross\_margin\_pct,

SUM(Quantity) AS units\_sold

FROM sales123.supermarket\_sales1

GROUP BY `Product line`

ORDER BY total\_gross\_income DESC;

SELECT `Product line`, SUM(`gross income`) AS total\_gross\_income

FROM sales123.supermarket\_sales1

GROUP BY `Product line`

ORDER BY total\_gross\_income DESC

LIMIT 5;

SELECT

DATE\_FORMAT(STR\_TO\_DATE(`Date`, '%m/%d/%Y'), '%Y-%m') AS month,

SUM(`Unit price` \* `Quantity`) AS total\_sales,

COUNT(DISTINCT `Invoice ID`) AS transactions

FROM sales123.supermarket\_sales1

GROUP BY month

ORDER BY month;

SELECT

`Product line` AS product\_line,

SUM(`Quantity`) AS units\_sold,

SUM(`Gross income`) AS total\_gross\_income

FROM sales123.supermarket\_sales1

GROUP BY `Product line`

HAVING SUM(`Quantity`) < 200 -- threshold, adjust as needed

ORDER BY total\_gross\_income ASC;