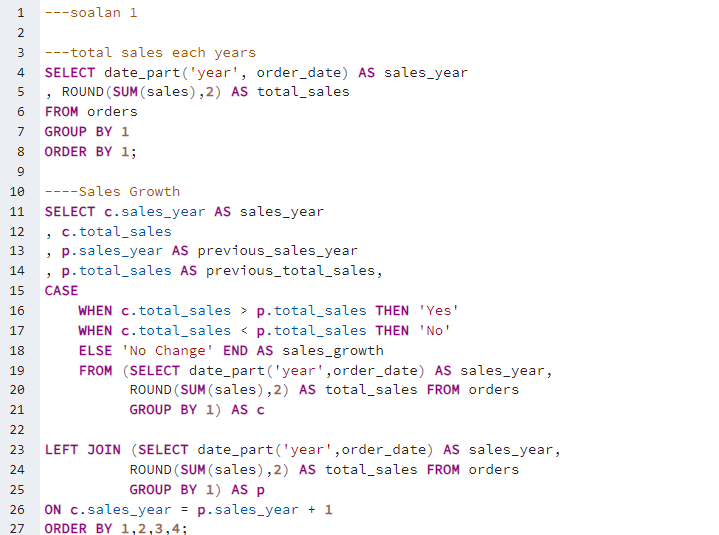
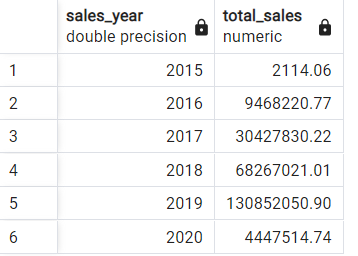
Use subqueries to answer the following questions:

1. Has our organization sales grown over the years?





A screenshot of a graph

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---soalan 1

---total sales each years

SELECT date\_part('year', order\_date) AS sales\_year

, ROUND(SUM(sales),2) AS total\_sales

FROM orders

GROUP BY 1

ORDER BY 1;

----Sales Growth

SELECT c.sales\_year AS sales\_year

, c.total\_sales

, p.sales\_year AS previous\_sales\_year

, p.total\_sales AS previous\_total\_sales,

CASE

WHEN c.total\_sales > p.total\_sales THEN 'Yes'

WHEN c.total\_sales < p.total\_sales THEN 'No'

ELSE 'No Change' END AS sales\_growth

FROM (SELECT date\_part('year',order\_date) AS sales\_year,

ROUND(SUM(sales),2) AS total\_sales FROM orders

GROUP BY 1) AS c

LEFT JOIN (SELECT date\_part('year',order\_date) AS sales\_year,

ROUND(SUM(sales),2) AS total\_sales FROM orders

GROUP BY 1) AS p

ON c.sales\_year = p.sales\_year + 1

ORDER BY 1,2,3,4;

1. On average, what percent of salespeople make a sale each month?

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---soalan 2

-- Total sales

SELECT SUM(sales) AS total\_sales

FROM orders;

-- Monthly sales

select date\_trunc('month', order\_date) AS order\_month, SUM(sales) AS monthly\_sales

FROM orders

GROUP BY 1;

-- Percentage monthly sales

SELECT date\_trunc ('month', order\_date) AS order\_month,

ROUND ((SUM (sales) /(SELECT SUM(sales) AS total\_sales FROM orders))\*100, 2) AS percentage\_monthly\_sales

FROM orders

GROUP BY 1;

-- Average percent of salespeople make a sale each month

SELECT date\_part ('month', pms.order\_month) AS month,

AVG (percentage\_monthly\_sales) AS average\_percentage\_monthly\_sales

FROM (

SELECT date\_trunc ('month', order\_date) AS order\_month

, ROUND ((SUM(sales) /(SELECT SUM(sales) AS total\_sales FROM orders)) \*100, 2) AS percentage\_monthly\_sales

FROM orders GROUP BY 1) AS pms GROUP BY 1;

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1. What percent of all sales in the United States did returns make up in 2020

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