Question 1: create a chart which shows no of profitable vs non profitable days each year. A day is profitable if total profit from all the orders for that day is greater than 0 else it is non profitable.

Verify your answer using SQL

Question2: create chart which shows percent of sales in each region against total sales. Make sure when user filters on any region the percentage value for the region should not change.

Question3: **Return purchase cohort** is no of days it took for each customer to make their second purchase compare to first purchase.

Group them based on no of days they took and show a chart which shows no of customers in each group.

0-3 months ->

3-6 months ->

6+ months ->

Never returned ->

Question4: For this question modify the orders data in excel itself. Currently we have data from 2018 to 2021. For each order date add 3 years so that we will have data from 2021 to 2024.

Now using this data create a view which shows category wise YTD , PYTD, PPYTD sales.

So for example if today is 15th June 2024 then our view should show sales as per below date range for each category.

YTD (Year to Date) : Sales from Jan 1 2024 to June 15 2024

PYTD(Previous Year YTD) : Sales from Jan 1 2023 to June 15 2023

PPYTD(Previous to Previous Year YTD) : Sales from Jan 1 2022 to June 15 2022