Take home Assessment

To answer part 1 and 2, the candidate needs to build a table that has information of loyalty tier status for each of the accounts.
They are given 4+ randomized tables that they need to explore, understand, account for duplicates by using window functions, and make joins.

Datasets:

Account loyalty program status:

- Current loyalty tier per account.
- Contains information about an account, it's loyalty program tier (id), and when the tier was in effect (includes start and end dates)

Account rates:

- Holds Fee associated to an account, in cents.
- TODO: There are multiple rates per account. (We need the latest fee per account, to avoid duplicates)

Loyalty program tier:

- Holds the names of the loyalty program tiers (standard, silver, etc)

Tier discounts:

- Holds discounts associated with a loyalty program tier, in cents.

Part 1 - SQL:

- (Easy) - How many <u>new</u> accounts are there per month?
- How many accounts are in each loyalty tier whose program happened during 4/30/2023
- What are the minimum and maximum case fees (in dollars) per loyalty tier? (applying discounts)

Part 2 - Dashboard building:

- Use any kind of chart that you think might be best to track how many new accounts each loyalty tier there are, aggregated by months (use program start date). (Can use any BI tool)

Part 3 - Open Ended Business Sense Questions:

- What are the trends you observed from the data above?
- If you were to ask to measure the impact of the loyalty tier program, what are some other KPIs you can track with the data above? What are some other metrics that you believe might be important, but are not listed above? Can you describe the kind of tracking/dashboard you would like to build to track those metrics?