**Business Problems**

The following queries were created to solve specific business questions. Each query is designed to provide insights based on gym membership and visit data.

1. Retrieve the **name** and **membership\_type** of female members.
2. Find members who have a **Monthly membership** and joined after **2023-11-01**.
3. List the **name** and **status** of active members over **25**.
4. Get details of **visits** on a specific date (**2024-01-01**).
5. List members with a **Quarterly membership** aged between **20 and 30**.

Additional aggregations and grouping:

1. Count total visits made by each member.
2. Count members by membership type (e.g., Monthly, Weekly, Quarterly).
3. Calculate the average age of members, grouped by membership type.
4. Total visits for each visit date.
5. Count members by status (e.g., Active or Cancelled).

Advanced queries:

11. Top 3 members with the highest visits.

12. Active Monthly members grouped by membership type, sorted by recent join dates.

13. Members with more than 2 visits, sorted by total visits, displaying the top 5.

14. Members who joined in 2023, grouped by membership type (where each group has >1 member).

15. Average age of active members, grouped by membership type, limited to the top 3 results.

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