TASK 5:

How this helps solve our use cases:

See all goats' growth within a certain time period:

This allows users to track the growth of all goats within a specified time frame. For instance, if someone wants to see how much weight each goat gained over a specific period, they can retrieve the weigh-in records for that period using the WEIGH_IN table. By specifying a start and end date, they can filter the weigh-in records to only include those within the desired time period.

See all goats' growth in a similar cohort:

Cohort analysis involves comparing groups of subjects that share common characteristics. In this context, users might want to analyze the growth patterns of goats within the same cohort. The COHORT table holds information about different cohorts, and the GOAT table links each goat to a specific cohort. By filtering the data based on the cohort ID, users can view the growth data of goats belonging to the same cohort.

Find specific counts of weights, notes, etc. for a specific goat:

This use case involves obtaining the count of weigh-ins, notes, or other metrics for a particular goat. For example, users might want to know how many times a specific goat has been weighed or how many notes are recorded for that goat. The provided queries allow users to retrieve these counts by specifying the ID of the goat they are interested in and querying the respective tables (WEIGH_IN or NOTE).

Filter out goats based on attributes like gender or other things to see their growth:

Users may want to analyze the growth of goats based on specific attributes, such as gender. For instance, they might want to compare the growth rates of male and female goats. The provided queries allow users to filter the data based on attributes like gender (Male or Female) and retrieve the growth data for goats that match the specified criteria.