

Introduction to Data Management – HW4: Summary/Subquery

Team Number: 20

Team Members:

Abhinav Sharma (ass2575), Allie Touchstone (awt529), Aritra Chowdhury (ac79277), Avery Shepherd (ams9694), Harsh Mehta (hdm564), Vishal Gupta (vg22846)

Problem Statement

We use summaries and subqueries to further manipulate and retrieve chunks of data useful for an analysis of the hotel data. The goal is to manipulate the data we already have into informative data that is not explicitly included in each entry.

Proposed Solution

We start with applying aggregate functions to the data in the *Customer*, *Reservations*, *Reservation Details*, and *Room* tables to re-arrange the data into data that is more applicable to knowledge of the business. Using JOINS, we are able to execute those actions. In the other half, we work with subqueries to solve similar questions as the first half of the assignment. We use operations like GROUP BY, WHERE, and ORDER BY to manipulate the data to the business' liking.

Assumptions

We assume that the DDL Starter Script was formulated and run successfully before querying the data using SELECT statements.

Conclusion and Next Steps

The next step is to apply more DML operations to update the data and structure of the database.