Lecture 04 Homework 24 points

Implement the queries below using the Lecture04 database.

Work independently.

Put your queries into a submission file per earlier instructions. Name the file ‘04Homework’

Note problems 1 through 5 were part of the collaborative in class work.

1. Find the number of meetings in each building – ordered by building ( A before B)

Column names: **Building NumMeetings**

1. Show start time / end time for each meeting in building A

Column names: **building roomNumber startTime duration endTime**

1. Return the number of meetings in each room in each building Sort by building/room number. A before B 1 before 2

Column names: **Building RoomNumber NumMeetings**

1. Find all meetings with no Moderator.

Column names: **purpose startTime**

1. Find the number of empty seats in meeting rooms based on who created the meeting. Show greatest amounts first. IE if John created a meeting in a room with room for 15, but only had 4 employees in the meeting, the excess for that meeting would be 11

Column names: **name excess**

1. Find the number of meetings by purpose

Column names: **purpose numMeetings**

1. Return the number of meetings by Moderator

Column names: **Moderator NumMeetings**

1. Return the employee with the most meetings in the system ( one row returned)

Column names: **name numMeetings**

1. You want to find all of the employees who have fewer than 75% meetings than the employee who has the most meetings in the system. NOTE – do not hard code a value from the previous problem.

Column names: **name numMeetings**

1. Find the average utilization of rooms for ‘2018-03-04 10:00’ IE what percentage of rooms have a meeting scheduled in them for that data and time. Note – be careful of integer division. You will have to do some research to solve this one.

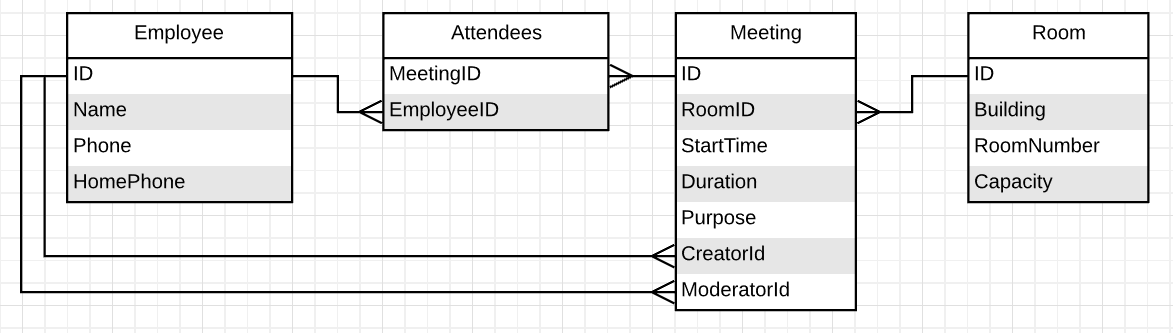
Column name: **Utilization**

1. Find all attendees in any meeting going on at ‘2018-03-18 10:00’

Column names: **name purpose**

1. Create a list of all employees who are double booked. We define double booked as having two meetings starting at the same date and time.

Column names: **name numConcurrent**

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