

CS 315 Modern Database Management

Exam II

Fall 2017

Northeastern Illinois University

Exam Instructions:

- *Write all your answers in the single answer sheet that is provided to you. Questions sheets will not be collected by the instructor. I will collect only one answer sheet, all of your answers must be on that sheet. Make sure to not run out of space.*
- *Read all questions when you are given the question sheet. If you have any questions, you can ask within the first 10 minutes of the exam, I will not take any questions after 10 minutes.*
- *1st question is 6 points and all the other questions are 8 points.*
- *Any student who is caught cheating will be given an **F** grade for the course.*

Write SQL queries that performs the tasks below:

Use the 1st database tables for the next 10 queries:

- 1- Produce a list of rental properties that are of flat type and have 4 rooms.
- 2- List all supervisors and managers from the staff.
- 3- List property number and owner number of rental properties that isn't advertised by any agents.
- 4- Print the number of staff members work at branch 'B003'
- 5- Print the branch no of the staff member that has the minimum salary.
- 6- Print first and last names of employees that make less than the average salary and by how much less they make than the average salary.
- 7- List rental properties that are handled by the staff that work at '163 Main St'.
- 8- List number of staff members that are working in each branch (branchNo, number of staff).
- 9- Find the first name, last name, comment of the client who saw a property on '2008-05-24' and left a comment.
- 10- Print how many different clients were shown a property.

User the 2nd database tables for the queries below:

- 11- List members that live in zipcodes 4321 or 4130 and booked a facility today(Today's date: '2017-11-07').
- 12- List members that are recommended by someone and their recommender (Only list their first name and surname).
- 13- List first name and surnames of members who booked a tennis court.
- 14- List how many tennis courts are booked today.