CSE 4508 – RDBMS Programming Lab

Lab 4

Create a table called Occupation, with a field called ID. It should have another field called “General” with options such as “Teacher” and a “Specific” field with values such as “School” or “University” for the general profession of Teacher. Similarly, if the general profession is “Engineer”, specific values could be “CSE” or “Mechanical”. Store the salary in a field as well. Insert values.

Task A:

1. Group using “general” and then “specific”. Here you should display the count of the number of people in each general-specific subgroup, and order the displayed list according to this count.
2. For each general group display the minimum, maximum and average salary.
3. Group according to general, and only display the general groups whose average salary is greater or equal to the overall average salary of the entire table.
4. Group by general along with the average salary of each group, and save this grouped form in a view. Using this view, select the name and average salary of the group with the highest average salary.

Task B:

Create a table called Grades with fields ID, Department (CSE, EEE, etc.), Programme (BSc, HD), Course Code (CSE 4508, CSE 4551, etc.) and Grade(A, A+, A-, etc.).

1. Show the hierarchical count of the number of individuals, based on Department, then Programme, then Course Code and then Grades. Order them alphabetically, based on Department first, then Programme, and so on. (Rollup).
2. Show the count across all possible combinations of these four dimensions (Cube).