

Concordia University
Department of Computer Science & Software Engineering
COMP 5531 – Files and Databases
Summer 2018
Assignment # 1

Due: June 22, 2018

For the Contract Management System (CMS), some business users want to analyze the information from the initial database design used in the warm up project. You should implement the SQL queries and provide your results.

Q-1) List the employee ID's, names of the Sales Associates.

Q-2) Insert a new Contract information (Type: Diamond) of a client (CSC Corp.) in the Database who already have another contract signed (Type: Gold) and already present in your database. You must show the existence of this company (CSC Corp.) before execution of the query and after the query is executed for the new contract. Your query results must associate the new contract of a different type but with the same company i.e., CSC Corp.

Q-3) A sales executive entered the wrong ACV value of the new contract signed by CSC Corp. and approaches you to enter updated information, but you find that two contracts present in the name of CSC Corp. How will you change the ACV value, what will be the identifier used? Show with the help of an SQL query.

Q-4) An employee "Josh Fetcher" is no longer working in the company. Write an SQL query which deletes him from the list of his Manager "David", projects he was working on and all his personal details.

Q-5) Print the list of all the customers who signed contract(s) of type "Gold" between June 1st and June 10th of 2017.

Q-6) Write an SQL query which gives the growth of number of customers in 2017 as compared to 2016, considering all types of contracts and services.

What you should hand in:

You should submit a report that include:

- a) reasonable assumption(s) you made;
- b) script to create and populate the tables (SQL);
- c) submit tuples/records in each table, SQL queries for each question and the output of the queries.