CENTENNIAL COLLEGE
Information and Communication Engineering Technology (ICET)

Project Work
SEMESTER: WINTER 2020

SUBJECT NAME: Introduction To Database Concept

SUBJECT CODE: **COMP122**

INSTRUCTOR NAME: **Ehsan Ullah**

Total Mark is 100
OVERALL WEIGHTING: 20%

Due date is April 8th Midnight, Late submission will lose 15 point

Q1. 25 points

The HR department needs to find the names and hire dates of all the employees who were hired before their managers, along with their managers' names and hire dates.

Q2: 25 points

Develop a query for the HR department to produce the address and region name information of all the departments.. Use the LOCATIONS and COUNTRIES and REGIONS tables. Show the location ID, Street address, city, state(Or province), country name and Region Name in the output.
Use ON clause for each JOIN

Pre Work- Preparation for Q3:
You need to create a new table by using CTAS (Create Table as Select command)

Create a new table with respected select statement. New table table
MY_EMPLOYEES_ABOVE_AVG

*create table my_employees_above_avg **as***
select employee_id, first_name, last_name, salary
from employees
where salary > (select avg(salary) from employees);

Q3: 25 points

Update some records on your new table (MY_EMPLOYEES_ABOVE_AVG that you have created in previous section1) as per below instruction… Don't forget to commit at the end of your work.

a) Select all the records from MY_EMPLOYEES_ABOVE_AVG table and take screen shot and copy paste into this word document

b)
Update employee records in MY_EMPLOYEES_ABOVE_AVG table and add $100 more to their existing salary for employees whose salary is in between 7000 and 12000 their last name start with character **B** …

Hint: Update Command with Subquery in WHERE clause

c) Write down how many employee you have updated under this condition?
d) Select all the records from **MY_EMPLOYEES_ABOVE_AVG table again** and take screen shot and copy paste into your word document..

Q4: 25 points

Create a report for the HR department that displays employee last name, department numbers and all the employees who work in the same department as last_name Jones but do not include Jones himself in the output. (Exclude him)