Due Date: 2/26/2022 MIDNIGHT (11.59 PM)

Purpose: The purpose of this assignment is to help you:

- Understand SQL query for Table creation, insertion and constraints

Instructions: Be sure to read the following general instructions carefully:

This assignment should be completed individually by all the students. Submit your solution **through the dropbox,** Your submission should include sql command and the screenshot of command execution result, the submission must be named according to the following rule: **student ID (yourlastname)_Assignment#number. doc** e.g., 300123456**(smith)_Assignemt#1**.doc.

Submit both your .sql file and the Word document under Assessments -> Assignment –> Assignment 2 folder.

Write both the output table and the query in the solution (NO POINTs WILL BE ALLOCATED IF QUERY OR TABLE ARE MISSING)
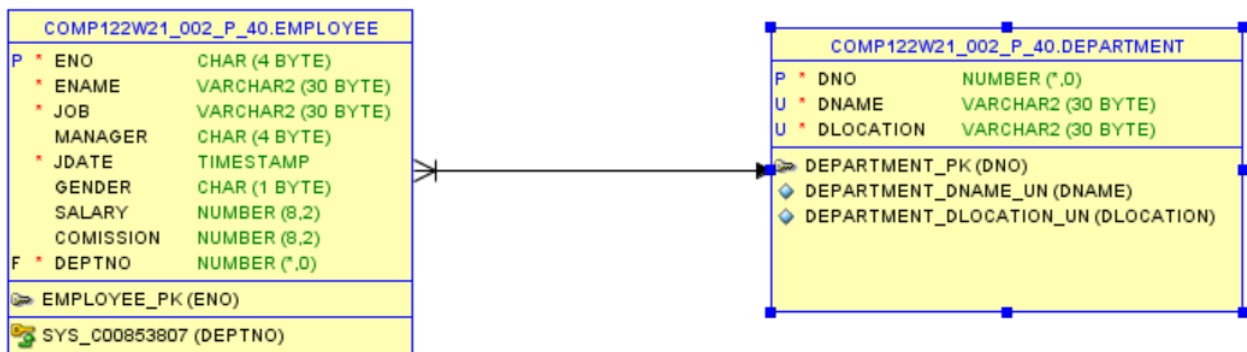
Question 1 (5 marks)

CREATE TABLE called supplier with the following fields .

supplier_id numeric(10) - > Primary key with constraint name

supplier_name varchar2(50) - >unique name

contact_name varchar2(50)

city varchar2(10)

Region –> should accept only ('N', 'NW', 'NE', 'S', 'SE', 'SW', 'W', 'E')

1. Insert 5 records. Insert records based on the below questions .
2. Display the details of the supplier who comes from Toronto   and their supplier id 500;
3. Add phone number in the supplier table using DDL command
4. Write a sql command to make city as unused column
5. Delete the unused column in the supplier table
6. Rename table SUPPLIER -> SUPPLIER CONTACT
7. Write a sql command to delete all the records in the supplier table.
8. Write a sql command to Retrieve the deleted table
9. Write a sql command to permanently delete the table , so that it is not moved to recyclebin

Question 2 (5 marks)

Create 2 tables based on the ER model shown below . Include all the constraints in the CREATE TABLE statements. You should have only two create Table statements and no ALTER TABLE statements. Name all constraints except NOT NULLs

```
COMP122W21_002_P_40.EMPLOYEE
P  * ENO          CHAR (4 BYTE)
   * ENAME        VARCHAR2 (30 BYTE)
   * JOB          VARCHAR2 (30 BYTE)
     MANAGER      CHAR (4 BYTE)
   * JDATE        TIMESTAMP
     GENDER       CHAR (1 BYTE)
     SALARY       NUMBER (8,2)
     COMISSION    NUMBER (8,2)
F  * DEPTNO       NUMBER (*,0)

EMPLOYEE_PK (ENO)

SYS_C00853807 (DEPTNO)
```

```
COMP122W21_002_P_40.DEPARTMENT
P  * DNO          NUMBER (*,0)
U  * DNAME        VARCHAR2 (30 BYTE)
U  * DLOCATION    VARCHAR2 (30 BYTE)

DEPARTMENT_PK (DNO)
DEPARTMENT_DNAME_UN (DNAME)
DEPARTMENT_DLOCATION_UN (DLOCATION)
```

- Use the column datatypes and sizes as indicated in the ER model

- ENO and DNO are used to uniquely identify rows in these tables.
- Each Employee must be assigned a Department, and no duplicate department names are allowed.
- Assign commission default value 0 .
- The Salary entered should be greater than zero
- If the data is given in Gender column, only 'M' or 'F' are acceptable values
- Each table should have 5 data records in them

Create and execute the SQL statements needed to enforce the data relationships among these tables.