CNIT27200 Data Manipulation Practice Name: Jin Su (Brandon) Lee

***Scenario: Database to keep track of volunteers working in a disaster shelter***.

# VOLUNTEER TASK

TaskCode char (5)

TaskDesc varchar2 (30)

TypeCode (FK) char(2)

Requirements number (3,0)

VolunteerID varchar2 (10)

FName varchar2 (30)

LName varchar2 (20)

Cell char(10)

**ASSIGNMENT**

VolunteerID varchar2 (10)

TaskCode char (5)

Responsibility varchar2(30)

**TYPE**

TypeCode char (2)

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TypeDesc varchar2(30)

As a reminder, I want to see your individual work. Some submissions last week were unfortunately shared among students. I want to be confident that **you** know how to do the task, not what other students can do.

1. Write SQL code to insert a record in each of the 4 tables.
   1. You will have 4 separate insert statements.
   2. I want you to try out both methods from the notes. Method 1 – 2 inserted records, Method 2 – 2 inserted records.
   3. Create values for every field in each table.
   4. I want the foreign keys in the child records to be values from the primary keys in the parent records.
      1. For example, the value you create for TypeCode in the new TYPE record, should be the same TypeCode you use in the new TASK record.
   5. You can check your work. Last week I provided you with the code to create at least 3 of these tables. Create the 4th one on your own, then check your work by trying to insert these records into your new tables.

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| Method 1:  INSERT INTO Volunteer (VolunteerID, FName, LName, Cell)  VALUES (83384833, Brandon, Lee, 765-111-2224);  INSERT INTO Assignment (VolunteerID, TaskCode, Responsibility)  VALUES (83384833, 12345, NoteTaking);  Method 2:  INSERT INTO Task  VALUES (12345, N/A, 12, NoteTaking);  INSERT INTO Type  VALUES (12, N/A); |

1. Add an additional record to the TYPE table. Add the code for method 1 and then do it again using method 2. But I want you to only add a value to the TypeCode. Leave TypeDesc as a null value.

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| Method 1:  INSERT INTO Type (TypeCode, TypeDesc)  VALUES (12, NULL);  INSERT INTO Type (TypeCode, TypeDesc)  VALUES (21, NULL);  Method 2:  INSERT INTO Type  VALUES (12, NULL);  INSERT INTO Type  VALUES (21, NULL); |

1. Now update your new record from the TASK table. Change the TaskDesc and Requirements. What do you type after the update to make it permanent in the database?

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| UPDATE Task  SET TaskCode = 54321,  TaskDesc = Lalala,  TypeCode = 00,  Requirements = 3.396; |

1. Write the SQL code to remove your new record in the VOLUNTEER table.
   1. Consider this: To protect referential integrity, what record would also need to be removed first before you can remove the record in VOLUNTEER?

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| DELETE FROM VOLUNTEER  WHERE VolunteerID = 83384833;  FName = ‘Brandon’  LName = ‘Lee’  Cell = ‘765-111-2224’; |

1. What are your questions about Data Manipulation Language? Are there parts of the syntax that are unclear? How are you doing with online learning in your courses? Are you doing okay?

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| None Yea I am doing okay! |



*My Class Pets*