# **COMP-1701 - Transferring Data to Databases**

## **Data Science & Machine Learning (DSML) - RRC Polytech**

Final Project – Phase 1: Initial

A computer screen shot of a diagram

Description automatically generated

**Task 1.0:**

Run the people meta data loaded, insert code directly before the all column query in the people table.

**Task 1.1:**

Find and replace within ERD and your boxstore script to replace occurrences of user\_ and date\_ to user and date.

*Outcome: system fields will have no underscores, ie: usermod, datemod, useract, dateact, active.*

**Task 1.2:**

-- add this code before the all column people  
-- table  
  
UPDATE people SET employee=1 WHERE p\_id BETWEEN 3 AND 10;

Transfer the people\_employee table script to your boxstore script, after the ENVELOPE query (ie: a new table section)

Add the people\_employee table to the boxstore ERD diagram.

After running the final JOIN, explain what might be occurring with our Boxstore Inc. company.

**Task 1.3: Create manufacturer (m) table**

Add a DROP/CREATE/TRUNCATE/INSERT/SELECT (DCTIS) block for the manufacturer (m) table block .

Do not change the people table. Use its CREATE and ALTER code, to develop 1 CREATE statement for the manufacturer table.

First put the manufacturer into the ERD, in the most appropriate spot within, that requires the shortest JOIN lines, mark the keys and cardinalities accordingly.  
  
Replace p\_id with man\_id

Add a column below called p\_id\_man, which will be the manufacturers’ main contact from the people table.

Replace first\_name and last\_name with man\_name VARCHAR(50)

Remove one other field that wouldn’t make much sense in having, as it relates to the people table.

Add a PRIMARY KEY, called man\_\_PK, using the appropriate column.

Add a UNIQUE key, called man\_\_UK, using the appropriate column  
  
Move the following insert data into the DCTIS block (noting that you will be updating this data and at run time):

INSERT INTO manufacturer (man\_name, p\_id\_man  
 , phone\_pri, phone\_sec, phone\_fax  
 , addr\_prefix, addr, addr\_code, addr\_info  
 , addr\_type\_id, tc\_id)

VALUES ( 'Boxstore Inc.', 1  
 , '222-222-2222', '333-333-3333', '444-4444-4444'  
 , 'Floor 1', '3 Road Runner Way', 'ROH HOH', NULL  
 , 3, 1);

INSERT INTO manufacturer   
 (man\_id, man\_name, addr, addr\_info, addr\_type\_id, tc\_id)

VALUES (2,101,'Apple Inc.','260-17 1st St','PO Box 2601',3,7)  
 , (3,202,'Samsung Electronics','221-6 2nd St','PO Box 24',3,5)  
 , (4,303,'Dell Technologies','90-62 3rd St','PO Box 2517',3,9)  
 , (5,404,'Hitachi','88-42 4th St','PO Box 2654',3,2)  
 , (6,505,'Sony','80-92 5th St','PO Box 4017',3,3)  
 , (7,606,'Panasonic','74-73 6th St' ,'PO Box 4958',3,4)  
 , (8,707,'Intel','71-9 7th St','PO Box 2934',3,8)  
 , (9,808,'LG Electronics','54-39 8th St','PO Box 9824',3,6)  
 , (10,909,'Microsoft','100-10 Ninth St','PO Box: 98245',3,10)  
;

**Task 1.3: Create a VIEW called manufacturer\_people\_reps**

Revamp the people thru geo table JOIN (not the ENVELOPE query), to now include the manufacturer first.

All other tables should show all of their columns, including the manufacturer table (skip the system fields user\* date\* active).

Only include rom people table, only show the first\_name, last\_name, email\_addr, and phone\_pri.  
  
Create this into a VIEW and when running the VIEW, show only the “name” fields, street address, po box, city, province/state, country (no abbreviations), and all phone numbers. Order the view results by country, province/state, city, and manufacturer name.

Final Project – Phase 2:

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