

Chapter 3 Problem Set

From now on, turn in your semester project documents in a folder that contains a sleeve on both sides. Put your name, ITEC 4200 Semester Project, the semester (e.g. Fall 2019) on the cover of the folder. Enter the information into the Cover Page, which is saved in D2L under Content | Semester Project | Cover Page.

Next, you will use DML to insert the data into all of the tables in your semester project. Start with the script that that creates your tables (Chapter 2 Problem Set).

Following the CREATE statements, write the INSERT statements that put the data into the tables. You will have one INSERT statement per record. Again, you need to pay attention to the order of the statements. If you have created the tables correctly, you can put the INSERT statements for each table in the same order as the CREATE statements.

Some things you need to know:

- Your tables must have 8 - 20 records per table. You may insert more data, as your application requires. But don't be a "minimalist" -- that person that inserts just 8 records in each table because it's the minimum requirement.
- Create a sequence to use as the Primary Key for at least one of your tables.
- Use comments to describe what each section of the script is doing.
- Leave blank lines between create statements so that the script is easy to read.
- Pay attention to error messages when the script is run. You must correct these errors.
- Put a COMMIT statement at the very end of the script.

Your ERD and your script should correspond. That is, the table and column names, primary keys, and foreign keys should match the ERD from Chapter 2. If you make any changes while you are working on your script, make sure to change the ERD so that they still agree.

WHAT TO TURN IN CHECKLIST:

- (1) The folder, with a label on front
- (2) Printed cover page
- (3) Printout of the script used to create and insert the data. PUT YOUR NAME IN COMMENTS AT THE TOP.

As a reminder: **Please print ONE-SIDED, not on both sides of the paper for this and all future documents to turn in.**

Printout of the run of the script that shows "1 row created", etc. The run should not have any errors.

- (4) Printout of the populated tables.
- (5) Your ERD.
- (6) The documents that were turned back to you from Chapter 2 Problem Set.

HERE IS A SAMPLE OF THE SCRIPT, THE RUN, AND PRINTOUT OF THE POPULATED TABLES

Hogwarts_Professors

PROF_ID	PROF_LASTNAME	PROF_FIRSTNAME	PROF_EMAIL
1	Dumbledore	Albus	adumbledore@hogwarts.uk
2	Flitwick	Filius	fflitwick@hogwarts.uk
3	Hagrid	Rubeus	rhagrid@hogwarts.uk
4	Lupin	Remuss	rlupin@hogwarts.uk
5	McGonagall	Minerva	mmcgonagall@hogwarts.uk
6	Snape	Severus	ssnape@hogwarts.uk
7	Sprout	Pomona	psprout@hogwarts.uk
8	Trelawney	Sybill	strelawney@hogwarts.uk

8 rows selected.

Hogwarts_Courses

COUR_ID	COUR_NAME	COUR_SYMBOL	COUR_NUMOFSTUDENTS	PROF_ID
100	Potions for Beginners	Potions I	25	6
200	Divination	Divin I	20	8
300	Charms Second Year	Charms II	28	2
400	Care of Magical Creatures	Creatures I	25	3
500	Herbology Third Year	Herb III	25	7
600	Defense Against the Dark Arts	Dark Arts I	25	4
700	Transfiguration	Transfig IV	25	5
800	History of Magic	History I	25	4
900	Muggle Studies	Muggles II	25	-
1000	Study of Ancient Runes	Runes I	25	8

10 rows selected.