MET CS 689 DESIGNING AND IMPLEMENTING A DATA WAREHOUSE

Assignment 1A: Install Database and Python tools

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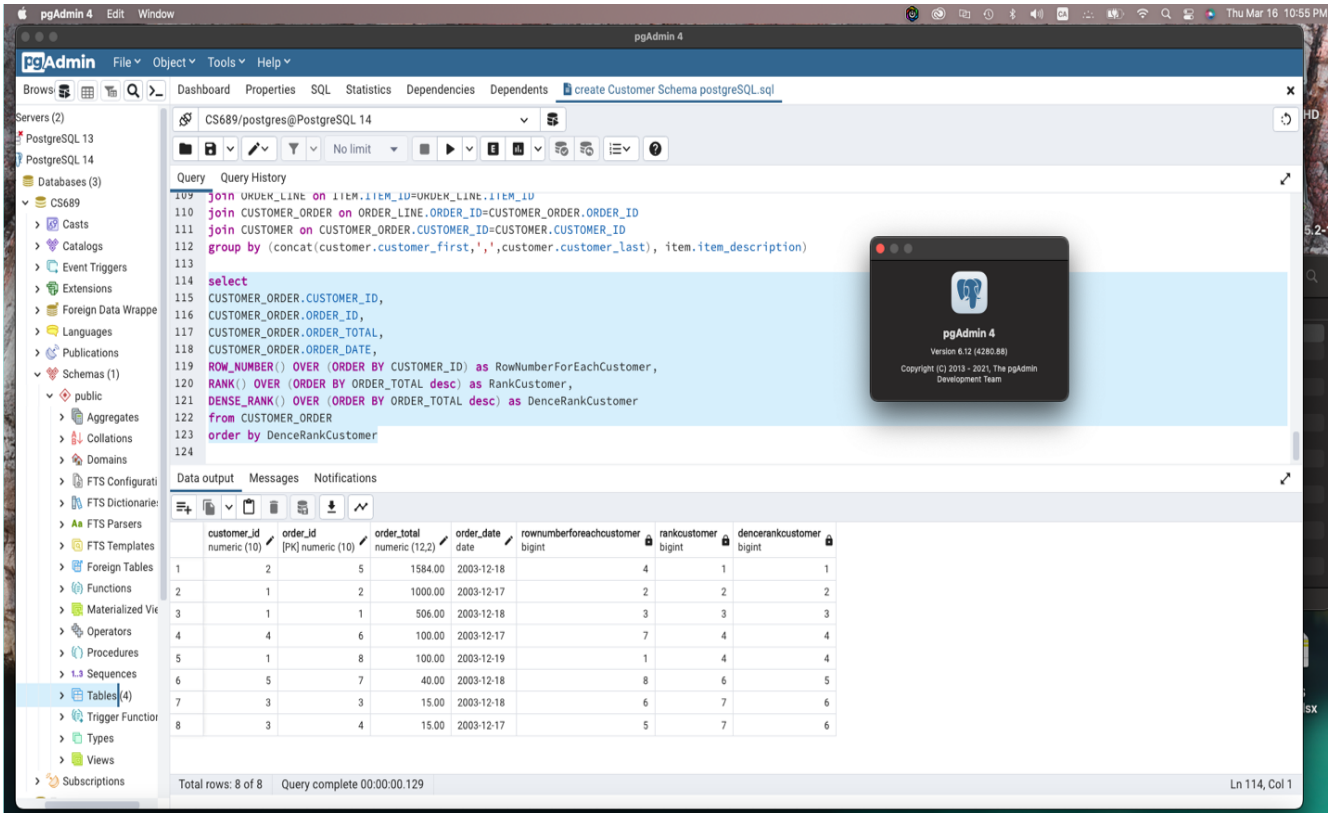
Overview of the Assignment:

This first assignment installs some of the tools that will be needed for the first weeks of this class.

Part 1 – Install a database system.

Take a screenshot showing that you have a working database system on your machine by getting the version information.

- Below is screenshot about PostgreSQL database server.



Part 2 – Restore US National Statistics Database

Alter and run the following SQL commands and take a screenshot showing the results of each:

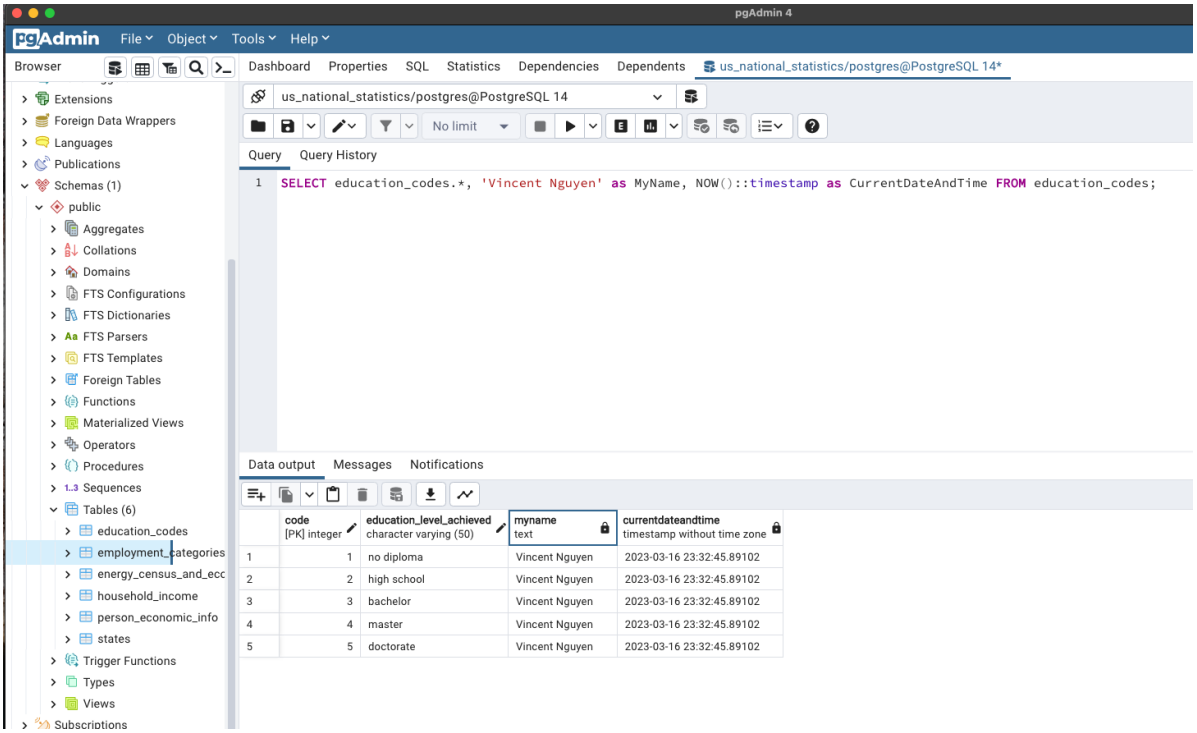
Look to add two additional columns to the code below (both select statements), these two columns will repeat for each record:

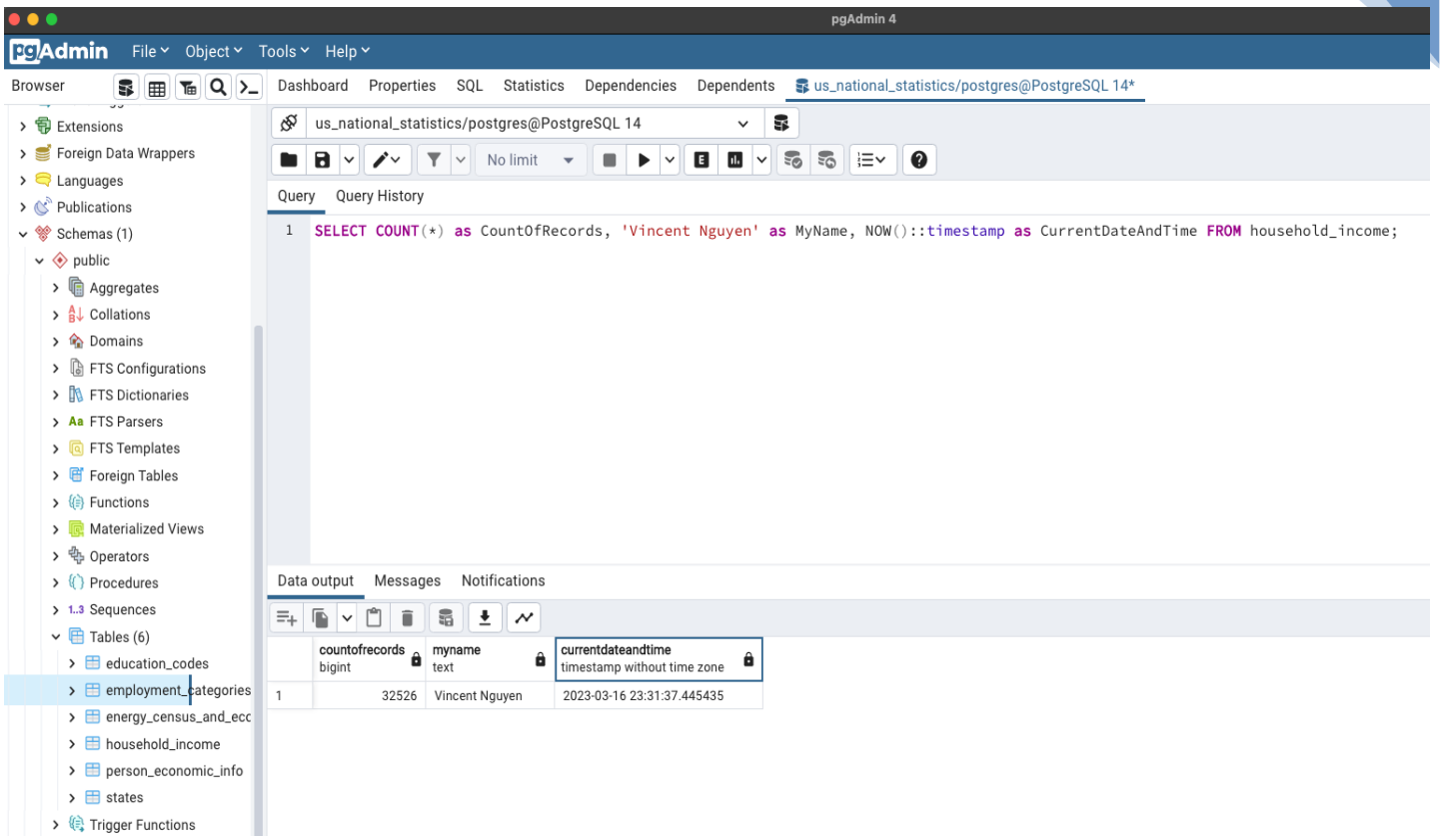
- ***MyName***
- ***CurrentDateAndTime***

SQL Commands to alter and run:

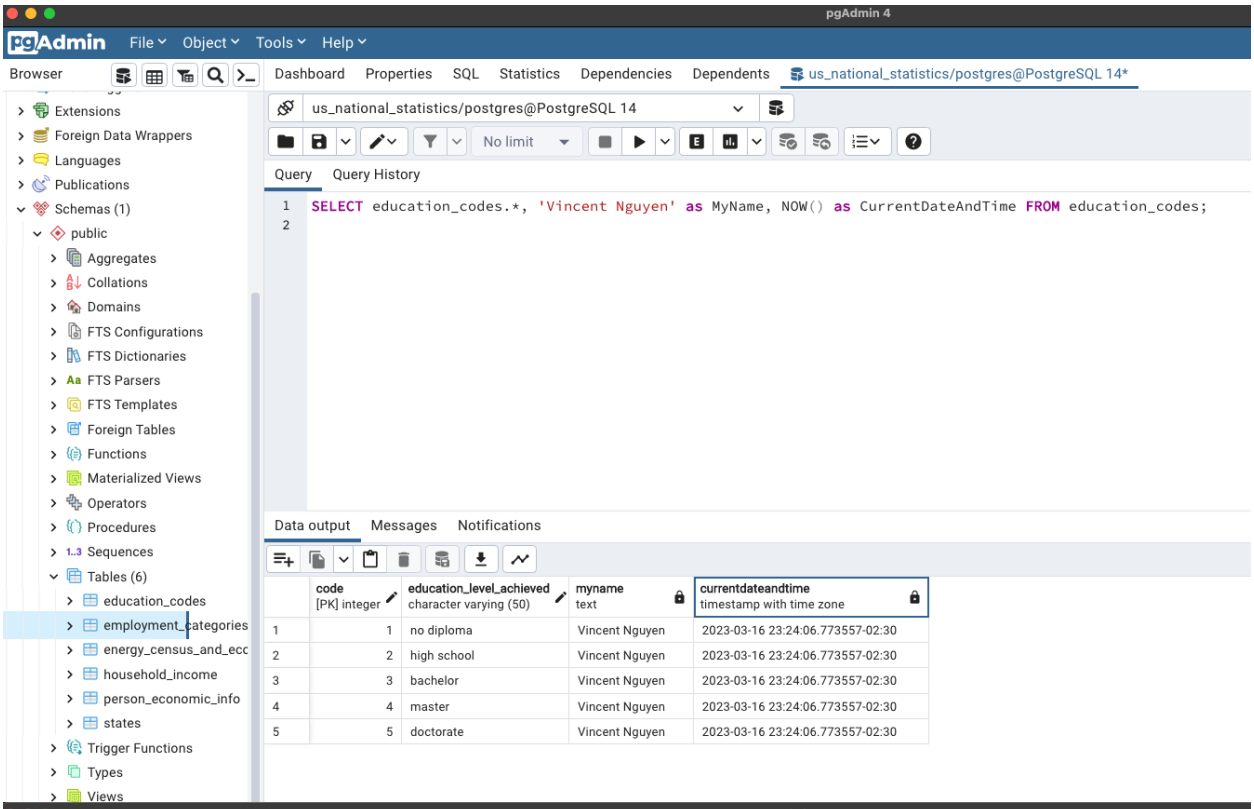
1. ***SELECT education_codes.* FROM education_codes;***
2. ***SELECT COUNT(*) as CountOfRecords FROM household_income***

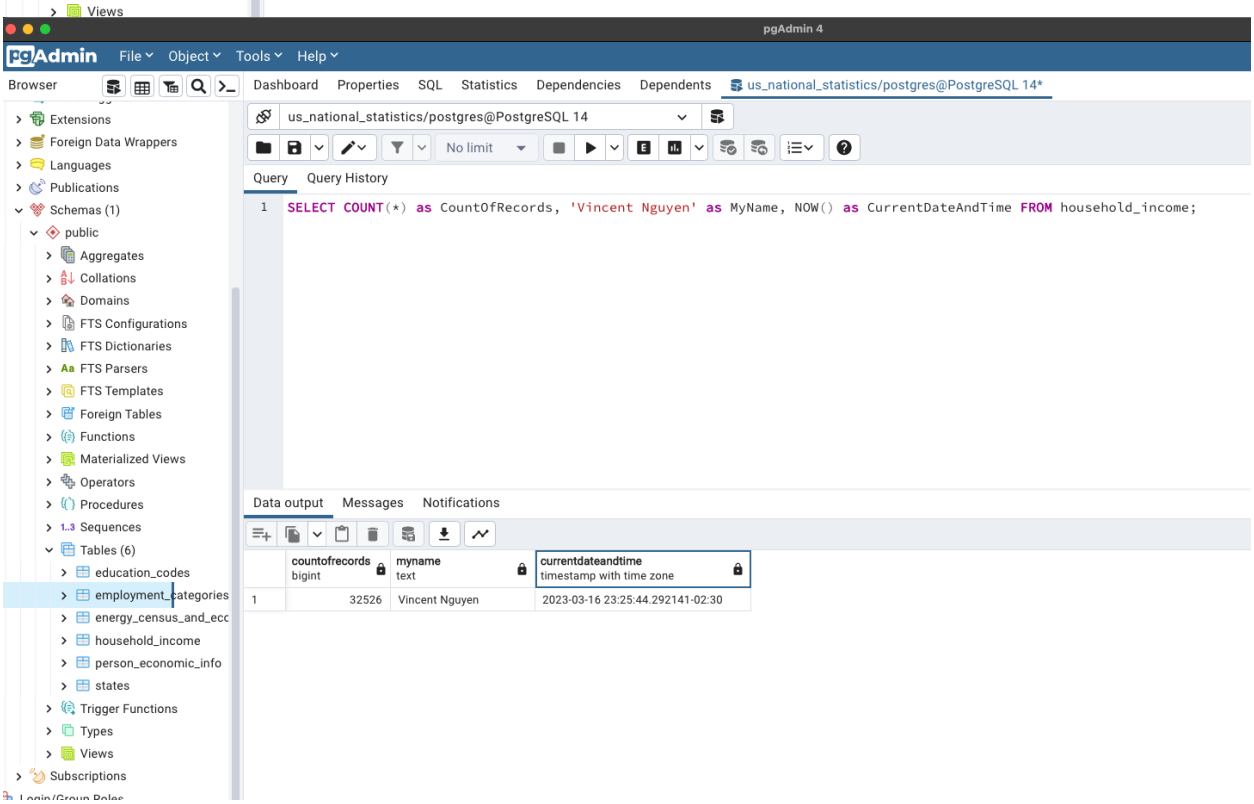
- Below are screenshots for SQL commands above with MyName, CurrentDataAndTime without time zone:





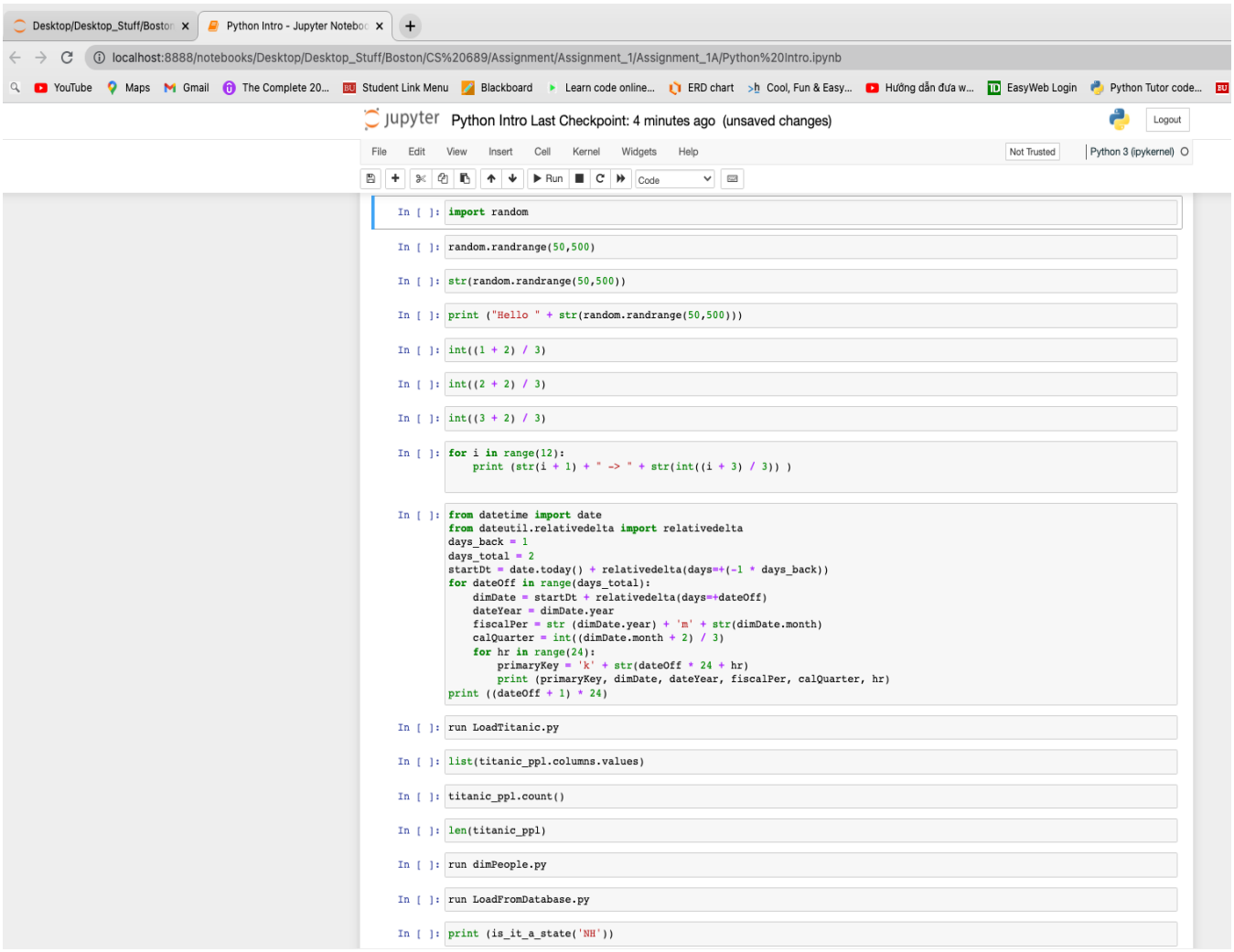
- Below are screenshots for SQL commands above with MyName, CurrentDataAndTime with time zone:





Part 3 – Install Anaconda / Jupyter notebook.

Take a screen shot of the opened file.



Grading Criteria

Use the **Ask the Teaching Team Discussion Forum** if you have any questions regarding the how to approach this assignment.

Save your assignment as ***lastnameFirstname_assign1_A.docx*** and submit it in the *Assignments* section of the course.

For help uploading files please refer to the *Technical Support* page in the syllabus.

Criterion	A	B	C	D	F	Letter Grade
Correctness and Completeness of Results (70%)	All steps' results are entirely complete and correct	About ¾ of the steps' results are correct and complete	About half of the steps' results are correct and complete	About ¼ of the steps' results are correct and complete	Virtually none of the step's results are correct and complete.	
Constitution of SQL/Python and Explanations (30%)	Excellent use and integration of appropriate SQL/Python constructs and supporting explanations	Good use and integration of appropriate SQL/Python constructs and supporting explanations	Mediocre use and integration of appropriate SQL/Python constructs and supporting explanations	Substandard use and integration of appropriate SQL/Python constructs and supporting explanations	Virtually all SQL/Python constructs and supporting explanations are unsuitable or improperly integrated	
					Assignment Grade:	