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CMPT 308

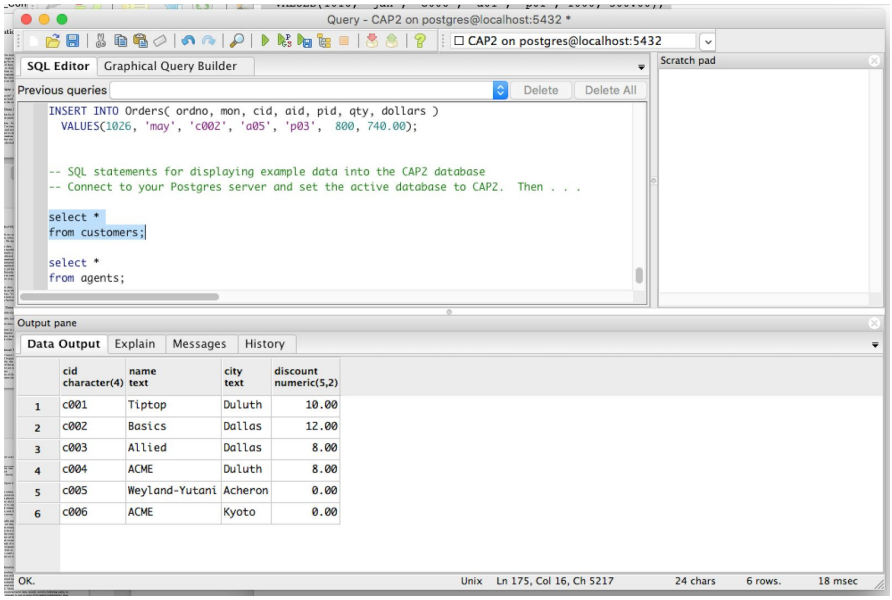
Lab 2

Candidate Keys are single column in a table that all have to be the minimal set. However a primary key is a column or data type that will never be the same such as an orderID. A superkey is a data set that never changes no matter where it is and can be referenced anywhere in a database.

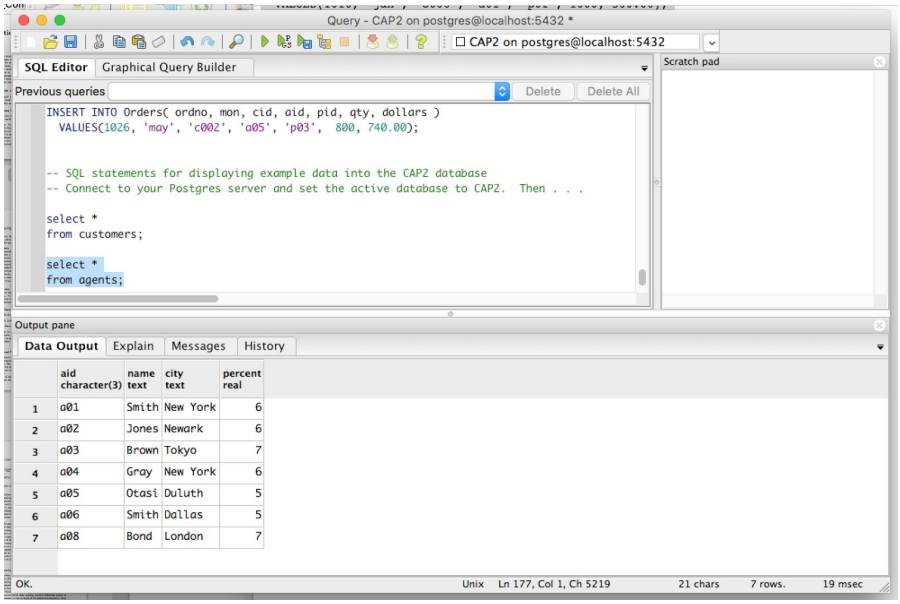
Data types are very important in a database, they are what separate different information and make it easier to sort things out. When creating a data table for the dining hall you would want the CWID as a data set since they swipe you in everytime you eat. The CWID field would be specified as numeric(8) and it would be not null. Another data set that you would have in that table would be the student's name, the student name would be specified as text and would be not null. These different data sets are then used by Marist Dining to charge and keep track of who comes in to eat.

- The "first normal form" rule is essentially the the record type for each value must be the same. If you have different record types for each value then you will have conflicting data.
- The "access rows by content only" rule means that you shouldn't look for where content is you should look for what the content is to access it so you are accessing it by its type instead of it's location.
- The "all rows must be unique" rule is pretty simple in that you can't have two rows with the same thing because then that would create redundancy.

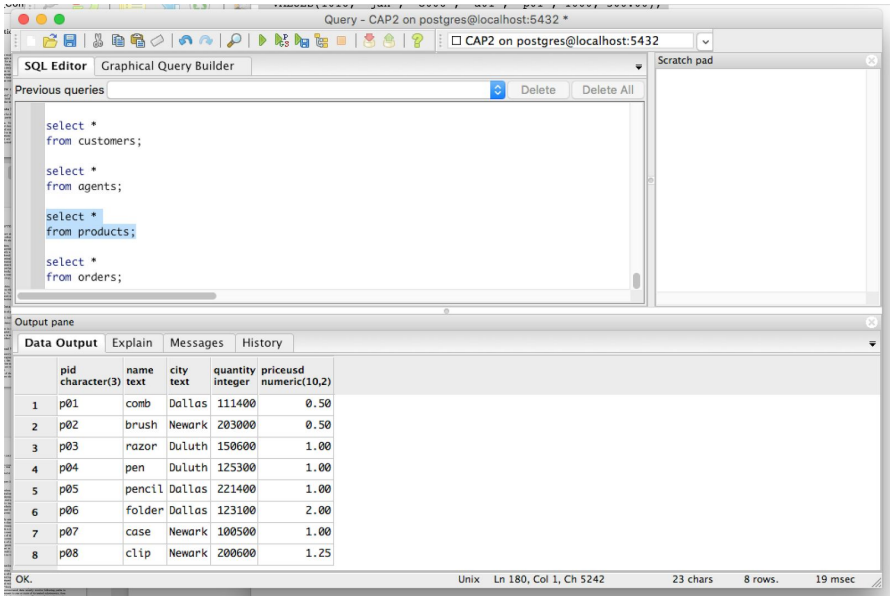
Customers



Agents



Products



Orders