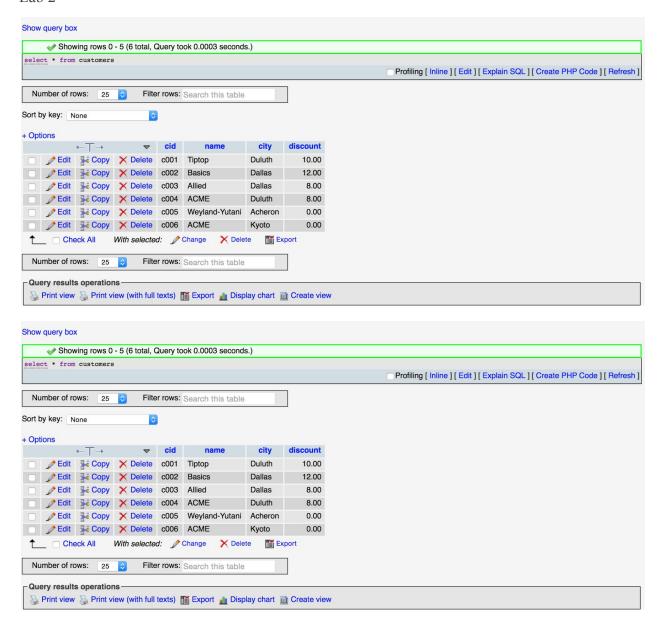
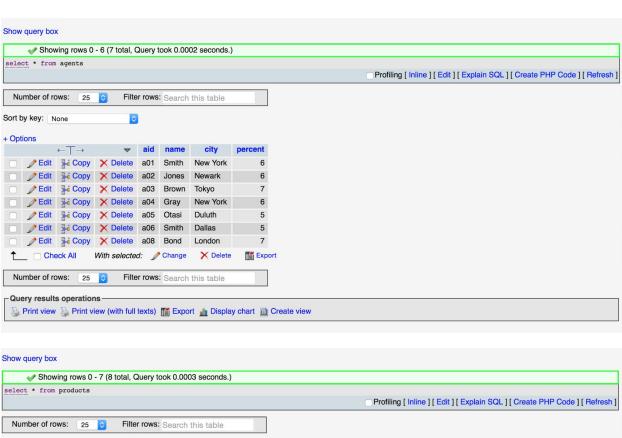
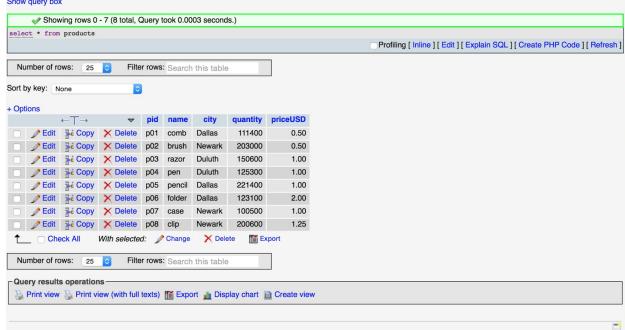
Juan Diaz

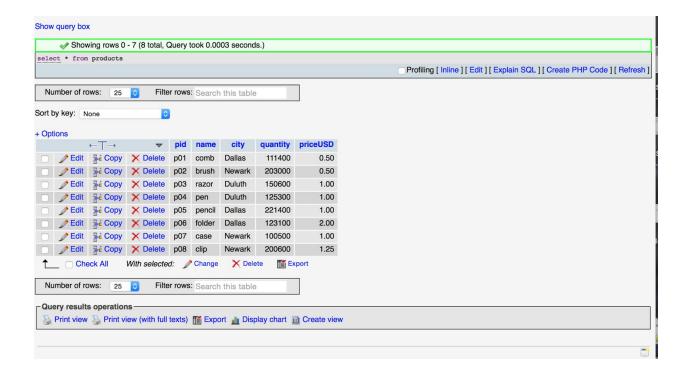
Dr. Rivas

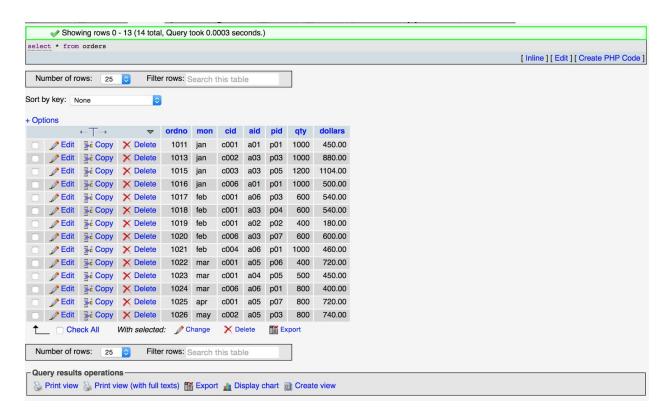
Lab 2











- 2) According to w3schools.com, "the primary key constraint uniquely identifies each record in a database table.Primary keys must contain unique values.A primary key column cannot contain null values.Most tables should have a primary key, and each table can have only oneprimary key".According to the website ProgrammerInterview.com, "the definition of a superkey is a set of columns in a table for which there are no two rows that will share the same combination of values. So, the superkey is unique for each and every row in the table. A superkey can also be just a single column". According to the website techopedia.com, "a candidate key is a column, or set of columns, in a table that can uniquely identify any database record without referring to any other data. Each table may have one or more candidate keys, but one candidate key is special, and it is called the primary key. This is usually the best among the candidate keys".
- 3) Accroding to w3schools.com The data type is a label and a guideline for SQL to understand what type of data is expected inside of each column, and it also identifies how SQL will interact with the stored data. That being said some examples of data types are boolean, decimal, integer, etc. A table can be made for anything. For example Marist can have a table for staff to know where students live.

CWID	Last Name	First Name	Commuter	Dorm	Block	room
20057621	Diaz	Juan	no	Gartland	E-19	C

CWID (int, no null)
Last Name (text)
First NAme (Text)
Commuter(text)
Dorm (text)
Block (text, int no null)
Room (text)

4) The "first normal form" rule is to define the data items make sure there isn't any duplicate data groups and lastly create a primary key for each table. This rule is important becasue this ensures that there is a slim chance of error when calculating data.

The "access rows by content only" rule "states that the user can only retrieve rows by their content, the attribute values that exist in each row" (Database: Principles Programming Performance) This basically means that there isn't particular order on the rows.

Work cited

"Database." Google Books. Web. 04 Feb. 2016.

https://books.google.com/books?id=MByjBQAAQBAJ&pg=PA36&lpg=PA36&dq=The+"acces s+rows+by+content+only"+rule&source=bl&ots=B8MbL9orI5&sig=ZkL5WXmCCWwx4xV9p DbCG7cSylo&hl=en&sa=X&ved=0ahUKEwijlLKN4N_KAhWGtBoKHU3MDhgQ6AEIHDAA# v=onepage&q=The%20"access%20rows%20by%20content%20only"%20rule&f=false