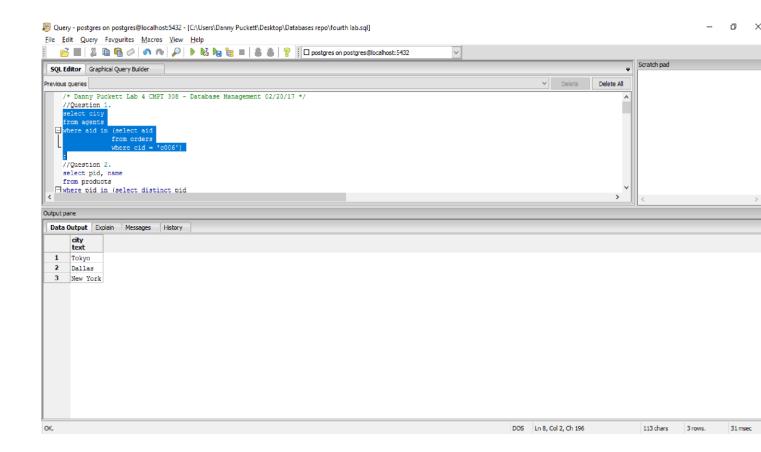
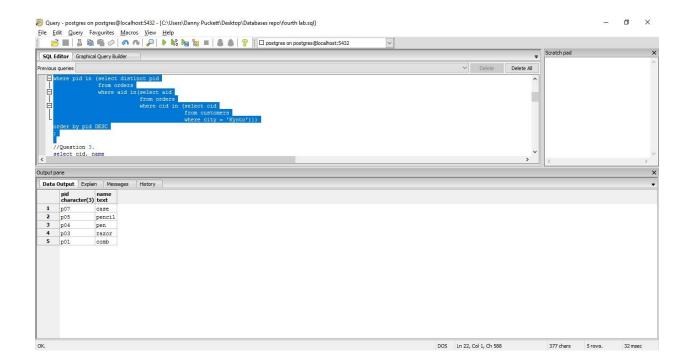
Danny Puckett
CMPT 308 – Database Management
02/20/17
Lab 4

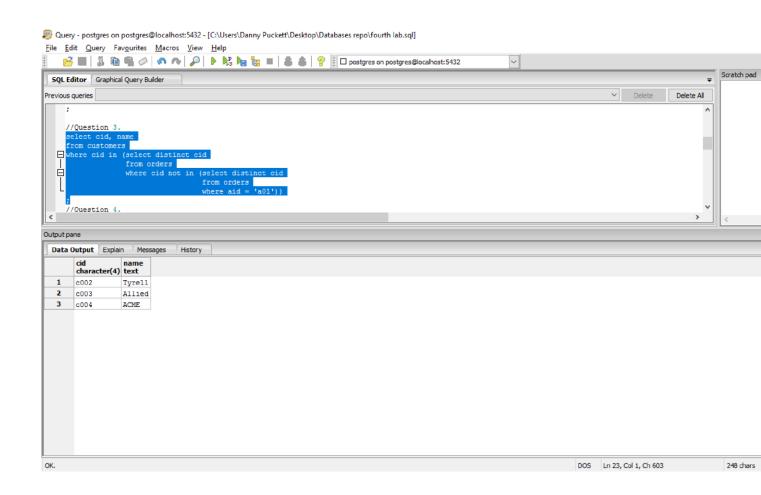
1.



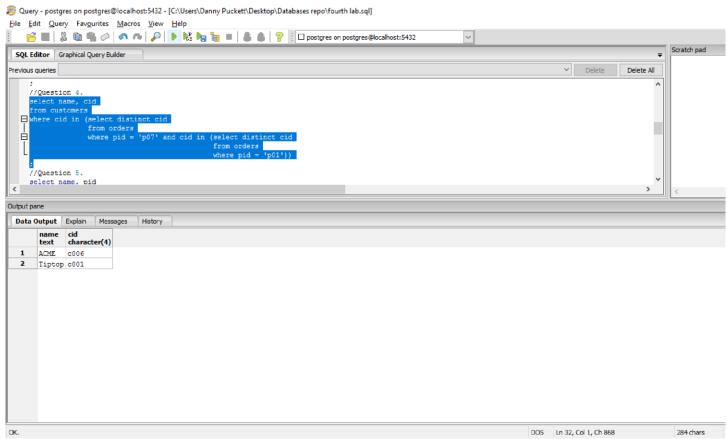
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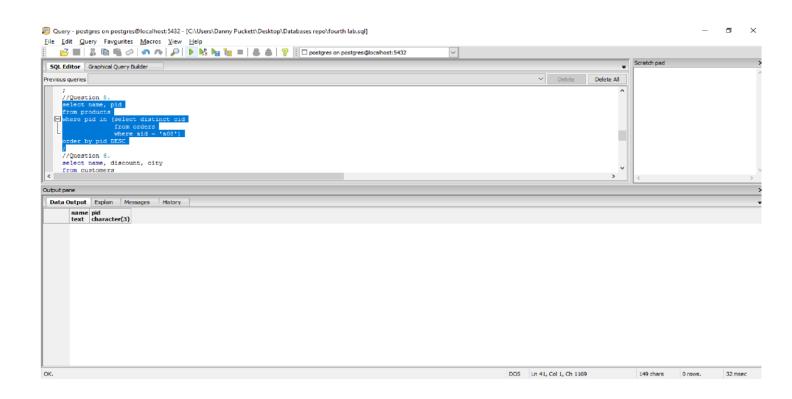
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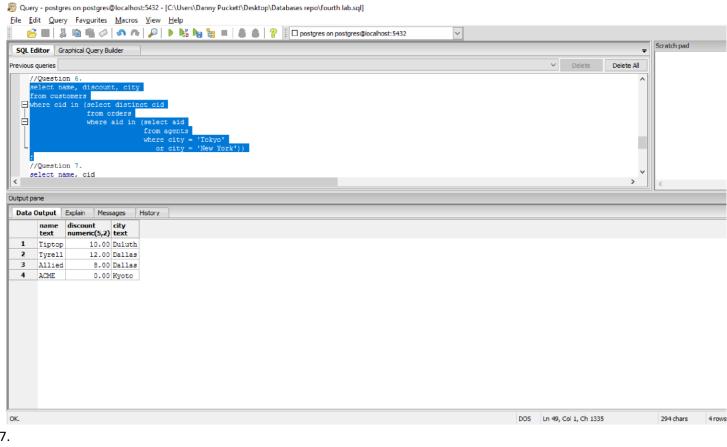
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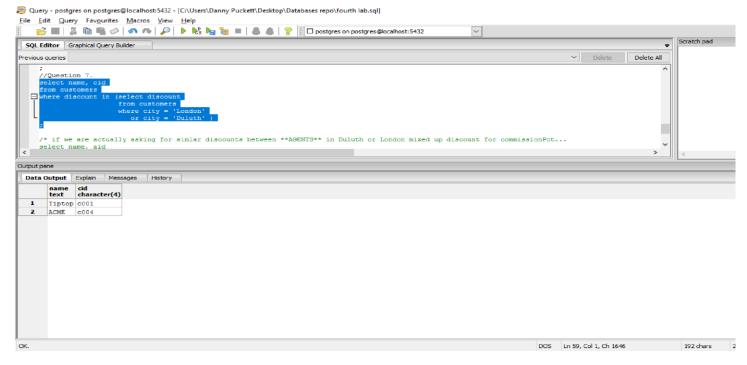
5.



6.



7.



8.

Tell me about check constraints:

What are they?

Check constraints are the limitations of value ranges that can be placed in a column. This is done so we can query more specified information.

What are they good for?

They are good because they provide more concise data outputs! It gives a database manager and their clients more access control within the usage of information in their databases.

What's the advantage of putting that sort of thing inside the database?

The advantage of having this is that we can fully utilize the capabilities of the relational model implemented by the database configurations! We have the ability to fully utilize the relational math inclusively and we can create concise queries.

Make up some examples of good uses of check constraints and some examples of bad uses of check constraints.

To find a good check constraint lets use an idea of purchase orders...

A good check constraint could be 'list all orders that are above 100\$ USD, then supply these customers with a 20\$ USD store credit' similar to an AutoZone customer appreciation credit.

Another good check constraint could be 'list all customers who spent 400\$ USD within date of 09/15/16 and 12/24/17, then supply these customers with a coupon toward a FREE Holiday Item' similar to a ShopRite customer appreciation credit.

Bad uses of check constraints would be a different sort of application, maybe its too redundant or something that returns no values at all.

Possibly a check constraint of all products that have a price, OR a check constraint of all products that have a price greater than 0\$USD... Both of these check constraints would be examples of Bad usage of check constraints...

Explain the differences in your examples and argue your case.

The difference is that a Good check constraint is concise and is tangibly usable to a database manager and/or their client, in opposition a Bad check constraint is vague or too broad, and therefore is not very helpful toward examination or implementation of concise information usage, and has little value. If you are to utilize check constraints, you will want to do so for a specific reason or reasons, so the proper usage of check constraints is to be as formative of the information as you possibly can be for the greatest utilization of said information.