Question 8:

A check constraint is a rule set in place to limit the accepted values that can be placed in one or many columns. They are good for preventing unwanted entries from being entered into a database. For example, a check constraint can be used in our CAP database, and more specifically, on our Products table. A good check constraint could be placed on the price or quantity column; there can be no entry that is below 0. It makes sense to have this constraint because you cannot have a negative of quantity or price. A bad check constraint would, for example, limiting the quantity column to be less than 300,000. This is an awful idea because it is possible in the future that there will be more than 299,999 of a product.

Results

1.

	city text
1	New York
2	Tokyo
3	Dallas

2.

	pid character(3)
1	p07
2	p05
3	p04
4	p03
5	p01

3.

	cid character(4)	name text
1	c002	Tyrell
2	c003	Allied
3	c004	ACME

4.

	cid character(4)
1	c006
2	c001

5.

	pid character(3)
1	p08
2	p07
3	p06
4	p05
5	p04
6	p03
7	p02
8	p01

6.

	name text	discount numeric(5,2)	city text
1	Tiptop	10.00	Duluth
2	Tyrell	12.00	Dallas
3	Allied	8.00	Dallas
4	ACME	0.00	Kyoto

7.

	cid character(4)	name text	city text	discount numeric(5,2)
1	c001	Tiptop	Duluth	10.00
2	c004	ACME	Duluth	8.50