In this version of the program, my normalized schema resulted in a constraint error that did not allow me to create certain tables. For instance, if I attempt to create the table CustCity, the database returns an error saying that the foreign key in the Customer table (in this case, that key is ZIP) does not have a unique constraint. A simple fix would be to make ZIP a unique attribute, but what if there are two or more customers from the same ZIP code? In order to fix that issue, I de-normalized the CustCity table and added the attributes back to the Customer table.

Similarly, the tables RoomPop and RoomPrice possess the same error since the RType attribute is not made unique. Again, what if two customers reserve the same room type? To solve that, I de-normalized all Room-related tables back into the original Room table.

The same issue happened with the ResBill table, and more than two customers may have the same Check-In Date; therefore, I de-normalized the whole table back to the Reservation table.