All SQL commands can be found in the GitHub repo in assignment3/sql. Each Question has a file dedicated to it.

2,

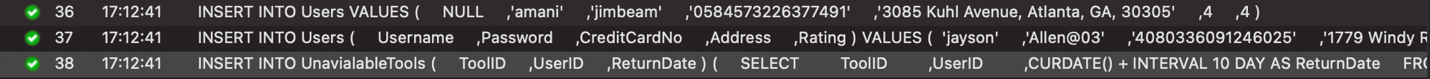
Text

Description automatically generated

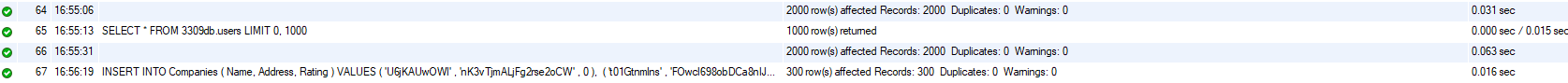
Graphical user interface, text, application

Description automatically generated

3,



4,

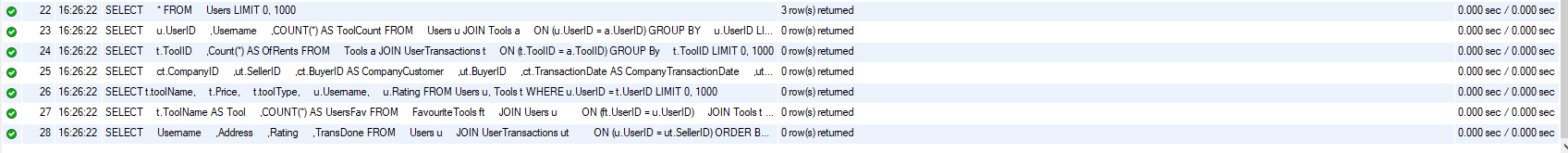


Users and tools both have 2000 tuples in them, and companies has 300 tuples in it.

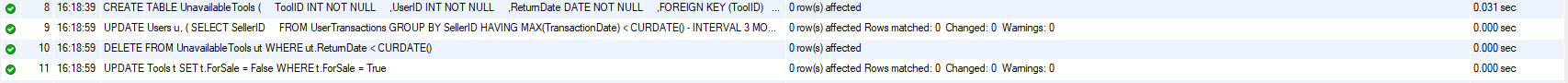
a, We used a java program to generate 2000 insert statements. With our program we guaranteed that duplicates were not generated for keys.

b, We have checked and our insert statements only go through if there is a matching value. For example, when we add tools, we randomize an id between 1-2000 so it will match a userID.

5,

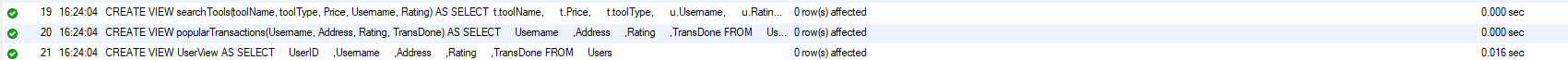


We tested the statements with no data to make sure the commands run successfully.

6, 

Again, tested to make sure the commands run.

7,



8,

No we did not run into this issue.