Hash Tables

HomeWork # 3

By

Corey Henry

***“On my honor, as a Mississippi State University student, I have neither***

***given nor received unauthorized assistance on this academic work.”***

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Data Structures

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**Analysis and Conclusions**

The homework was to Run a has program provided for us a generate a excel table, then find our own hash table from the internet and compare the two. I got my hash code from daniweb.com. I had some trouble finding where the files were being pasted too and had some trouble getting my program to find all the words. Dr. TJ, helped me with figuring this out. I was able to complete the goal and think that I found a very effective hash program.

Analysis Questions

1. All the words were colliding in the first spot which is very very very bad, and is a poor execution of a code. This hash table is almost completely useless as its basically still a string of the same words all together and not spread out. This would not help us speed up the process of finding the word..
2. The new code works a lot better, it is almost completely evernly distributed compared to the rest of the words. While not perfect this is a reliable way to hash up words and would be a good use of a hash table.. this code was found on daniweb.com
3. If numbers were used it would come out the same I believe, while all the numbers would end up in one long list the numbers would be more evenly distributed in the hash function that I found.

Source Code:

Attached in submission.

Pics in order from simple hash 25% to 200% then from new hash.













