THE UNIVERSITY OF TEXAS AT DALLAS
eLearning

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866-588-3192

Yinglue Chen 1

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CS 5343.002 - Algorithm Analysis and Data Structures - F18

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ASSIGNMENT INFORMATION

Due Date	Points Possible
Friday, November 30, 2018	**150**
11:59 PM	

Implement Hash table.

Pick 20 random words. Each word must be of different lengths, maximum length 8 and minimum length 3.

The words will be of letters a-zA-Z0-9 and the space character.

Insert them into a hash table. The hashing algorithm uses ASCII table values for each character and adds up the values. Initially the table size is 31. The program should increase the table size and rehash.

The collision resolution is done using quadratic probing.

At the end print the total number of collisions you get.

If the table size is more than 20,000 and the words to insert are 8000, is the above hashing algorithm adequate ? why ?

ASSIGNMENT SUBMISSION

Text Submission   Write Submission

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Comments

Character count: 0

When finished, make sure to click **Submit**.
Optionally, click **Save as Draft** *to save changes and continue working later, or click* **Cancel** *to quit without saving changes.*

Cancel   Save Draft   Submit