Report

Hash function has been used to be fast to compute the program. A class that SingleLinkedList used for keeping the values and frequency of values. A method that getNextPrime used for find the next prime number of expand the hash table size. A method that System.nanoTime() used for calculate time of necessary value.

Double hashing method did not work properly because of encountered problem that the index out of bounds.

Load	Hash	Collision	Collision	Indexing	Avg.	Min.	Max.
Factor	Function	Handling	Count	Time	Search	Search	Search
					Time	Time	Time
A = 50%	SSF	LP	567752	54080144300	411046	11799	6003299
		DH					
	PAF	LP	567752	28435364301	219173	4200	3450500
		DH					
A = 80%	SSF	LP	567752	69419310799	604534	22499	6790200
		DH					
	PAF	LP	567752	35803952700	385124	4599	6540299
		DH					

References

- https://stackoverflow.com/questions/351565/system-currenttimemillis-vs-system-nanotime
- https://stackoverflow.com/questions/5694385/getting-the-filenames-of-all-files-in-a-folder?noredirect=1&lg=1
- https://www.geeksforgeeks.org/program-to-find-the-next-prime-number/