

## COMP 251 Cheat Sheet

by 1029cheatsheet1029 via cheatography.com/99175/cs/21006/

## Direct-Address Tables

Direct-Address Tables

Hashing with chaining		
insertion	O(1)	insert at beginning of list
deletion	search time + O(1)	double linked list
search(worst)	O(n)	all keys in same slot
unsuccessful search (average)	O(1+α)	avg length of list = $\alpha$
average case analysis assume simple uniform hashing		



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Not published yet. Last updated 2nd November, 2019. Page 1 of 1. Sponsored by **CrosswordCheats.com**Learn to solve cryptic crosswords!
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