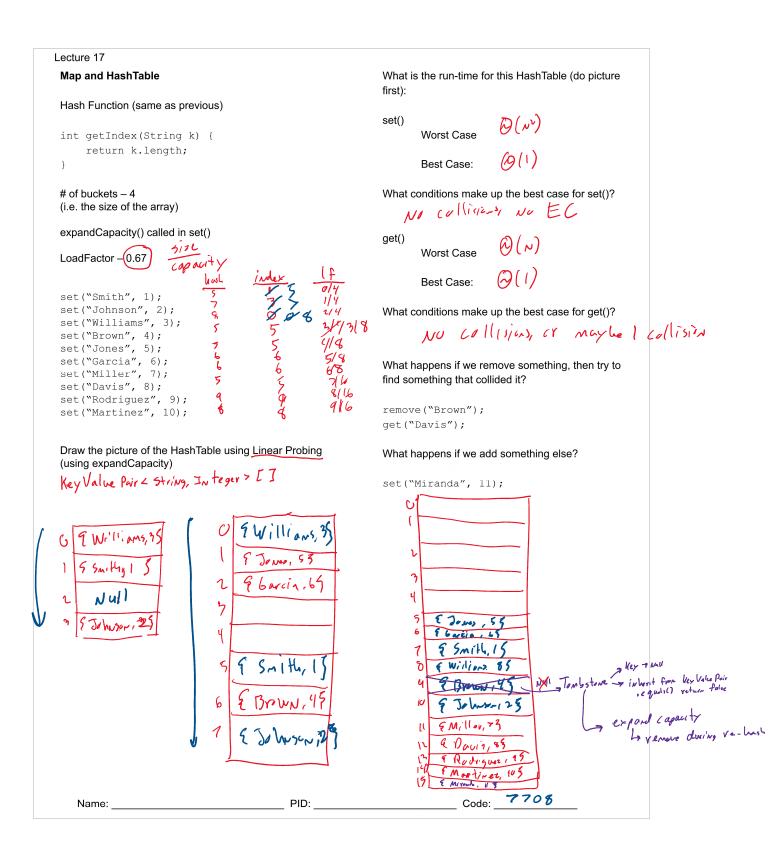
## CSE12 - Lecture 17

Wednesday, November 8, 2023 8:00 AM

PA5 and PA3 Late/Resubmit - slip day Thursday @ 8am
PA6 released - due next week
Friday - holiday - no class
Exam2 - next Wed - covers from last exam up to and including today



Amortized Analysis

What is the run-time for ArrayList add()?

Worst Case: 
$$\partial(\iota) + \partial(\iota) \rightarrow \partial(\iota)$$

Why is the hash function important?

What is the run-time for HashTable set() using Separate Chaining and a good hash function?

Worst Case 
$$O(1) + O(1) \rightarrow O(1)$$

What is the run-time for HashTable set() using Linear Probing and a good hash function?

Worst Case 
$$\Theta(\nu)$$