

161-01

Memory Allocation, continued

Monday November 18

Agenda

1. Announcements
2. Discussion
3. Continue Lab

Announcements

Homework 7 is due tonight

- Questions?
- Go to the evening tutors to get help!

Quiz 8 on Wednesday

- Memory Allocation

Mentor Session tomorrow evening

- Study for the quiz!

Token Events

- Career Panel tonight at 7
- CS table tomorrow
- Faculty candidate talk on Wednesday at noon
- Others?

Discussion

Memory allocation review

1. Our "regular" variables in C are stored in main memory or on the stack. In contrast, where are dynamically allocated variables stored?
2. This array can store 100 integers: `int arr[100];`
 - Use `malloc` to create an array that can hold 100 integers.
 - What do we need to remember when using `malloc` to create a string?
3. How do we check if our call to `malloc` (or `calloc`, or `realloc`) was called successfully? What does it mean if it was unsuccessful?

Lab



Wrap up



For next time:

- Reading on the website
- Submit Homework 7
- Study for the quiz