

FILES & DYNAMIC MEMORY ALLOCATION IN C

Final Exam Facts

- **Date:** Thursday, November 19, 2009
- **Time:** 1:00 to 5:00 PM
- **Venue:** **G310 – G317 (see schedule page)**
- **Chapters:** Zelle chapters 1 to 9, 11:1-3, 11:6,
Assigned C readings from Kochar plus Web resources
linked from ANGEL Resources page
- **On-computer part:** will be only in C
- You may bring two double-sided sheets of paper this
time.

Overcoming some array limitations

- ❑ `malloc` reserves space for variables or arrays in a separate location in memory called the heap
 - ▣ It allows the return type of a function to be an array
 - ▣ It allows arrays to be resized
- ❑ Keywords:
 - ▣ `ptr = malloc(number of bytes needed)`
 - ▣ `sizeof()`
 - ▣ `free(ptr)`
 - ▣ `ptr = realloc(ptr, number of bytes needed)`
- ❑ Let's modify the code in the ArrayResizing project to use these.

Your C Capstone Project

- A mini-project to be done individually
- Due Friday at 11:59 PM
- Demo
- 10 min to read the spec
- Questions and Answers
- Work on the project