

(1) Exam Review

- C++ fundamentals

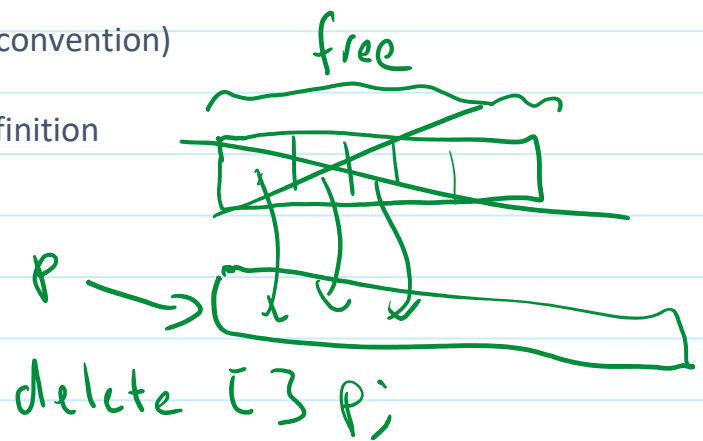
- variables, arrays, functions, streams
- Classes
 - pre-req knowledge: private vs public
 - constructors (overloading)
 - member functions

- Structs

- definition syntax
- member data
- no member functions (csci 2270 convention)
- array of structs
- array as a member of a struct definition
- pointer to a struct

- cmd line args

- `int main (int argc, char *argv[])`



- pointers

- * & operators
- "data" space vs. address space

- stack vs on the heap

- conceptual
- syntax
- allocation, deallocation

- parameter passing: by-val, by-ref, by-ptr, by-arr

- array doubling

(2) Exam Review

- list

- array

- ↳ syntax

- ↳ pointer, ptr arithmetic

- singly linked list

- ↳ nodes

- ↳ linking syntax

- library functions:

- getline()

- stoi()