CS 315-02 C Programming

Syllabus

Dev Setup

Lab 01
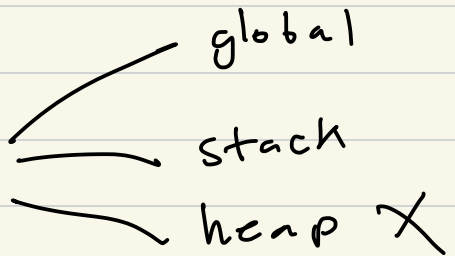 GitHub
  Makefile
  Autograder

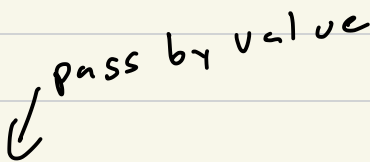~/cs315/autograder/____

$ ln -s ~/cs315/autograder/grade ~/.local/bin/grade

C

functions

Data — variables — global
                   — stack
                   — heap ✗

Statements and Expressions

Functions   pass by value

int Foo (param1, param2, ...) {
 ↑
return
type   ⌈ x = ②;
                        ⌊ if (x > 0) x = x + 1;

}

Statements

expression

Types

Primitive   int, char, float, double

composite   int a[5];

```
struct node {
    int x;
    int y;
}
```

Pointers