this is week 5

fall 2013

playlist50
Campus (Vampire Weekend)
Don't Carry It All (The Decemberists)
Going on (Gnarls Barkley)

agenda

resources

questions

coding

resources

lecture notes & source code

cs50.net/shorts

study.cs50.net

man

Google

cs50.net/discuss

OHs

me!

Quiz 0

Wed 10/16 @ 1:00 PM

75 minutes

covers weeks 0-5

two-sided "one-pager"

questions

live debugging

binary

ASCII

pseudocode

Boolean expressions

conditions

loops

functions

libraries

data types

scope

floating-point imprecision

strings

arrays

command-line arguments

GDB

searching & sorting

recursion

running time

pointers

malloc & free

stack

heap

compilers

...

coding

// TODO

strategy

// logic

draw a picture

write some pseudocode

// syntax

map it onto C

code the program

strlen (Fall 2012)

Complete the implementation of strlen in such a way that the function returns the length of s. Take care to return 0 if s is NULL (or if s is of length 0). You may not call any functions in your function.

```
int strlen(string s);
```

pow (Fall 2011)

Complete the implementation of pow in such a way that the function returns x^y unless x or y (or both) is negative, in which case the function should instead return -1. You needn't worry about integer overflow.

```
int pow(int x, int y);
```

atoi (Fall 2011)

Complete the implementation of atoi. You may assume that s will be a string of non-zero length composed entirely of numbers (0-9); if will not be NULL. You needn't worry about integer overflow.

```
int atoi(char* s);
```