CS 232: Intro to C and Unix

Lecture 10

Array variables are just pointers in essence. arrName == arrName[0]

As such, pointers may be indexed like arrays.

Pointers vs. Arrays

You can allocate more space for pointers and assign different addresses to that pointer

Arrays can only gain as many spaces as is declared and only have a specific set of addresses.

Functions which accept an array only accept that pointer, so different sized arrays only pass their location.

Structures group related data together.

As close as C gets to objects

Struct structName

{ int number; char name[];

};

The above declares the template of the structure

Struct structName struct2;

This declares a struct.

Struct2.number

This allows you to access members of the struct.