CS 113 – Computer Science I

Lecture 10 – Review

Tuesday 10/10/2023
Announcements

• HW04 – was due Monday 10/09
  First write method stubs, and upload programs with method stubs to Gradescope
  Ensures method signatures are correct
  Allowing you to submit it tonight

• HW 05 – Due Monday 10/30 (after fall break)
  • Implement Blackjack!
  • Paired assignment – can work with a partner

• Midterm 1 – Thursday 02/12
Initializing empty arrays

int[] nums = new int[3];
    [0, 0, 0]

String[] strs = new String[3];
    [null, null, null]
public static void add1(int[] list, int pos) {
    if (pos >= list.length) {
        return;
    }
    list[pos] += 1;
    add1(list, pos+1);
}

public static void add1(int[] list) {
    add1(list, 0);
}

public static void main(String[] args) {
    int[] nums = {10, 20, 30};
    printList(nums);
    add1(nums);
    printList(nums);
}
Objects

Strings and arrays are **NOT** primitives

They are objects

Explains why we can’t use “==” to compare Strings

“==” checks if two objects are the same
not if the two values are the same
Midterm – Thursday 10/12

In class, closed book

Terminal commands, vim, directory structure variables (int, double, char, bool, string, array)
Expressions
Methods
Frame diagrams
Conditionals
Recursion

Practice exam is on course website
Review topics

Types of Errors
Boolean Operators
Conditionals (if-else)
Stack Diagrams
Arrays