

Intro to Computer Science 111

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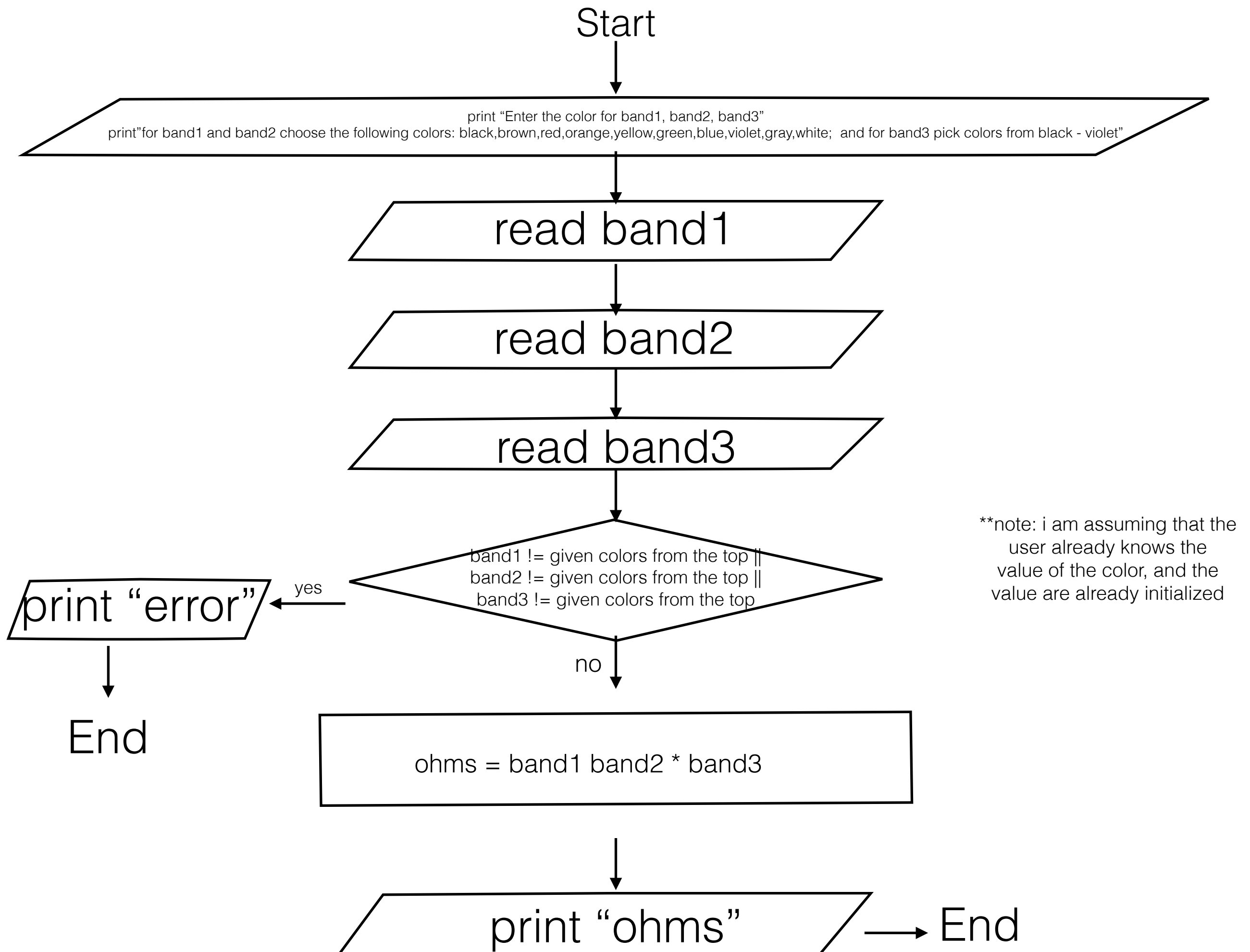
Class: 01:198:111 Section 58

Assignment 1

Date: 9/22/2014

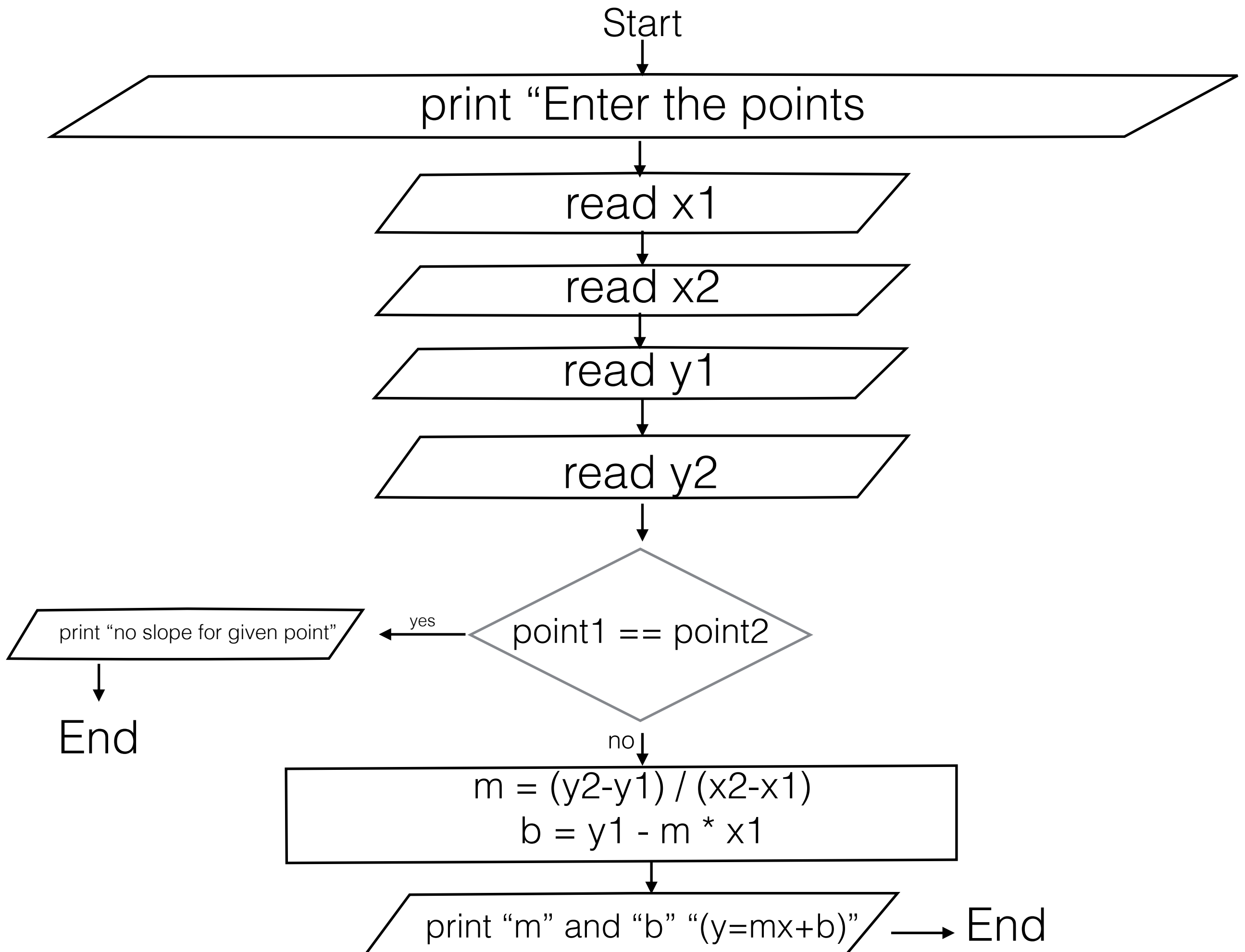
Problem 1

- Problem Statement: Calculate the resistance value (in ohms) of a three band resistor
- Input: band1, band2, band3
- output: ohms
- Error Condition: when numbers are entered, when other colors/words/letters are entered
- operations used: *, =



Problem 2

- Problem statement: Find the equation for the line that passes through two points
- input: x_1, x_2, y_1, y_2
- output: m, b ($y=mx+b$) (we need to find m and b)
- Error condition: point 1 == point 2
- operations used: $*, /, -, +, =$



Problem 3

- Problem statement: Ask the user to enter series of number until the most recently entered number is sum of all the numbers that were entered previously, and output the the number of positive entries.
- input: num
- output: positiveNum
- Error condition: letters, first num == 0
- operation used: +, =

