CSC151.02 2013F, Class 12: Raster Graphics and RGB Colors

Overview

- Preliminaries
  - Admin.
  - About Exam 1.
  - About Six+ P’s
- Questions on Raster Graphics and RGB Colors.
- Lab
- Things in the outline.
  - Representing images, revisited.
  - Pixels and colors: The basics.
  - RGB colors.
  - Those weird numbers.

Admin

- We seem to have a misunderstanding about workload. If you’re spending more than five hours on a homework assignment, something has gone wrong and we should talk.
  - Preferably, you would realize that you were going to spend that much time before, say, 8pm on Tuesday night.
  - If you hit more than five hours, it’s making sense, and you really want to do the last bit, that’s fine.
  - But if you’re stuck, you should come to see me.
- Lab writeup: Extra 1 from today’s lab, due Friday before class.
- Reading for Friday: Transforming RGB colors.
- It sounds like there may be room for one more person in Dr. Davis’s 11:00 a.m. section of 151. So, if you’d like to switch sections, let her know asap.
- Yes, if you take CSC 161 you get to play with the red robots.
- I plan to email you your current grade info by Friday.
- SACNAS Ice Cream Social Thursday, September 19th at 8:00PM in the Biology Commons
- EC Opportunities:
  - CS Extras Thursday @ 4:30: Kim Spasaro on Linguistics Programming See http://www.cs.grinnell.edu for more info
  - CS Table Friday (Pair programming) See http://www.cs.grinnell.edu for readings
  - Other?
- I also encourage you to attend any of the other Title IX talks/events.
- We’re going to try an experiment today. Instead of giving my start-of-class lecture and clicker questions, I’m going to let you ask about five questions on the readings.
Exam 1

- Exam 1 is ready. You can find it under the current assignment, the schedule, and the list of assignments.
- We’ll quickly visit
  - Policies
  - Questions
- What if you have questions?
  - There will be time at the start of class for questions on Friday, Monday, and Tuesday.
  - I’ll also add some Q&A to the exam itself. Please check it regularly.
  - I’ll be available on Friday, Monday, and Tuesday.
  - I’ll try to check email over the weekend. (However, I’m traveling this weekend.)

Six P’s

For future reference, I like a very careful presentation of the Six+ P’s

- Line 1:
  - Three semicolons
  - A space
  - The keyword "Procedure"
  - A colon
- Line 2:
  - Three semicolons
  - Three spaces
  - The name of the procedure
- Line 3:
  - Three semicolons
  - One space
  - The keyword "Parameters"
  - A colon
- Next few lines
  - Three semicolons
  - Three spaces
  - The name of a parameter
  - A comma
  - The type of the parameter
- Next line
  - Three semicolons
  - One space
  - The keyword "Purpose"
  - A colon
- Next few lines
  - Each begins with three semicolons and three spaces.
For example

;;; Procedure:
;;;   whatever
;;; Parameters:
;;;   what, a string
;;;   ever, an integer
;;; Purpose:
;;;   etc.

- Why be so precise?
  - It’s easier to read (or so experience suggests)
  - It’s easier to write programs to process it (and yes, I’ve written such programs)

Questions on Raster Graphics and RGB Colors

No questions

Lab

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