CSC151.02 2014S, Class 13: Transforming Colors

Overview

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  - Other questions.
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Preliminaries

Admin

- New partners posted!
- Food!
- Warning! I may not be able to hold a review session this week. I’ll keep you posted.
- Exclamation points!
- Both the graders and I are a bit behind. I expect that I’ll get you grades before tomorrow’s class.
- Study break tonight at 8pm.
- Extra credit:
  - Thursday extra, Thursday @ 4:30 p.m., Sci. 3821, Red/Black trees.
  - CS Table Friday @ noon: Law, Order, and Computers
  - Royce Wolf Piano on Wednesday at noon.
  - Opera on Campus Thursday night in S-L. (if it exists)

Upcoming Work

- Continue working on the exam.
- Tuesday’s reading: Transforming Images
- Lab writeup: Exercises 5ace and 6be
  - Subject: CSC 151.02 Writeup 9: Transforming RGB Colors (YOUR NAME)

About Quiz 3

Part 1: Code is in examples/math.rkt.
Basically, each procedure prints stuff out in addition to computing a result. I wanted you to tell me what was printed out.

Part 2:

;;; Procedure:  
;;;   limit  
;;; Parameters:  
;;;   val, a real number  
;;;   lower, a real number  
;;;   upper, a real number  
;;; Purpose:  
;;;   limit val so that it is between lower and upper.  
;;; Produces:  
;;;   limited, a real number  
;;; Preconditions:  
;;;   lower <= upper  
;;; Postconditions:  
;;;   If val < lower, the result is lower  
;;;   If val > upper, the result is upper  
;;;   Otherwise, the result is val.
(define limit
  (lambda (val lower upper)
    (max lower (min val upper))))

Questions on the Exam

Should #9 show the image?

No. It should give back a number that we can use with image-show.

Can we convert images to drawings

Not yet.

Other Questions

Lab

It may be hard for some eyes to distinguish slightly darker versions of colors.

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