Exam 1 Review

9 October 2020
Logistics
When?
When?

Like, you know, whatever.
When?

Exam is released later today.
Due 11:59 p.m. on Tuesday.
Take it any time between now and then.
How long?

The exam is designed to be about one hour long, but you’re being given two hours to take it.
What can you use?

One 8.5×11-inch piece of paper with anything written on it.

(You may be asked to submit a copy of it.)
Strategy
Something > Nothing
Approach > Syntax
Format
Almost every problem will ask you to write data and/or function definitions.

No, you can’t use DrRacket.

This may feel weird, but it’s important to be able to think about a program without needing to run it.

Cf.: “whiteboard interviews”
Topics
Computational thinking
Design recipe
Data types
Defining constants
Arithmetic operations
String functions
Calling functions
Defining functions
Function templates
Conditional and Booleans
Predicate functions
Big bang programs
Posn
Custom structures
Union data
Nested structures
Self-referential structures