New submission for: Quiz 5

Honor Pledge

On my honor, I have neither given nor received any unauthorized aid on this quiz.

By typing your first and last name in the space provided below you are electronically signing to

- (1) You are the person who is taking this quiz.
- (2) You read and understood the Honor Pledge and you agree to be bound by it.

Write your answer below:

Xinhao Luo

Clear Use Most Recent Submission

Question 1. (2pts) Scheme's scoping discipline is

Select one:

dynamic scoping

indicate that:

aynamic scopi

static scopingClear Use Most Recent Submission

Question 2. (2pts) Scheme's typing discipline is

Select one:

- dynamic typing
- static typing

Clear Use Most Recent Submission

Questions 3 and 4 refer to the following Scheme function:

(define (fun a b)

(cond ((= a b) a)

((> a b) (fun (- a b) b))

(else (fun a (- b a)))))

Question 3. (2pts) What does fun compute? Note: you may assume that the arguments are positive integers.

Write your answer below:

Press TAB to indent. Press ESC to advance from answer area.

Compute Greatest Common Divider of a and b

ear Use Most Recent Submission

Question 4. (2pts) fun is tail-recursive.

Select one:

o false

true

Clear Use Most Recent Submission

Question 5. (2pts) Function atomcount, defined below, attempts to count the number of atoms nested in a list. Recall predicate atom? that we wrote in class — it returns true if given an object that is not a pair (i.e., an object we cannot take the car or the cdr of).

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Select one:

Clear Use Most Recent Submissi

By clicking "Submit" you are confirming that you have read, understand, and agree to follow the Academic Integrity Policy.

Select Submission Version: Version #1 GRADE THIS VERSION

Autograding Total (Without Hidden Points)

Do Not Grade This Assignment

Note: This version of your assignment will be graded by the instructor/TAs and the score recorded in the gradebook.

10 / 10 Autograding Total (With Hidden Points) Test 1 Honor Pledge signature submission **Show Details** Test 2 Question 1 submission **Show Details** Test 3 Question 2 submission **Show Details** Test 4 Question 3 submission **Show Details** Test 5 Question 4 submission **Show Details** Test 6 Question 5 submission **Show Details** HIDDEN: Test 7 Question 1 2/2 HIDDEN: Test 8 Question 2 HIDDEN: Test 9 Question 3 HIDDEN: Test 10 Question 4 HIDDEN: Test 11 Question 5 Test 12 Check Honor Pledge **Show Details** Test 13 Check Time Limit **Show Details**