Homework 6

● Graded

Student
Sangwon Ji

Total Points
2 / 2 pts

Autograder Score
2.0 / 2.0

Autograder Results

```
=====================================================================
Assignment: Homework 6
OK, version v1.18.1
=====================================================================

~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
Scoring tests

---------------------------------------------------------------------
no-repeats
Passed: 2
Failed: 0
[ooooooooook] 100.0% passed

---------------------------------------------------------------------
student_attend_class
Passed: 1
Failed: 0
[ooooooooook] 100.0% passed

---------------------------------------------------------------------
teacher_hold_class
Passed: 1
Failed: 0
[ooooooooook] 100.0% passed

---------------------------------------------------------------------
add-leaf
Passed: 1
Failed: 0
[ooooooooook] 100.0% passed

---------------------------------------------------------------------
Point breakdown
no-repeats: 1.0/1
student_attend_class: 1.0/1
teacher_hold_class: 1.0/1
add-leaf: 1.0/1
```

Score:
Total: 4.0

Cannot backup when running ok with --local.

Final Score:2.0

Submitted Files

hw06.scm Download

```
1  (define (no-repeats lst)
2    (if (null? lst)
3        '()
4        (let ((rest (filter (lambda (x) (not ( = x (car lst))))(cdr lst))))
5        (cons (car lst) (no-repeats rest)))))
6
7  (define (student-attend-class student class)
8   (let(( name (student-get-name student)) (classes(student-get-classes student)))
9   (student-create name (cons class classes))))
10
11 (define (teacher-hold-class teacher)
12  (teacher-create( teacher-get-name teacher) (teacher-get-class teacher)
13  (map (lambda (student) (student-attend-class student (teacher-get-class teacher)))(teacher-get-
    students teacher))))
14
15 (define (add-leaf t x)
16  (if (is-leaf t)
17      t
18      (begin (define mapped-branches
19                  (map (lambda(branch) (add-leaf branch x)) (branches t)))
20           (tree (label t)
21                (append mapped-branches (list(tree x nil)))))))
22
```