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CISC 3140  
Lab 7

<https://courses.cs.washington.edu/courses/cse341/03wi/scheme/basics.html>

Problem: Converting between celsius and fahrenheit

- Variables include ' degree ' for degrees
- Input will be degrees in fahrenheit and celsius; outputs are their corresponding degrees after being converted

Solution: Formula for C -> F  $(c \times 1.8) + 32 = f$  --->  $(+(* c 1.8) 32)$

Formula for F -> C  $(f - 32) \div 1.8 = c$  ---->  $(/ (- f 32) 1.8)$

;; This program converts between fahrenheit and celsius

;; converts from celsius to fahrenheit

define (C-to-F degree)

(+(\* degree 1.8) 32)

;; converts from fahrenheit to celsius

define (F-to-C degree)

(/ (- degree 32) 1.8)