Xiaoting Lian

CISC3140

LAB 7

Problem: temperature units’ conversion, (F to C and C to F), the solution is to use the conversion formular in code, so the output will give the answer for 32-degree Fahrenheit to Celsius and 0 degree of Celsius to Fahrenheit.

` I’m using the school server, but before I begin with the school server, I tried scheme code on replit.com, and watched videos on Youtube as tutorial, <https://www.youtube.com/watch?v=LbfBLMRccJc>

Log:

PS C:\Users\lian1\Desktop> xlian@146.245.252.25

xlian@146.245.252.25 : The term 'xlian@146.245.252.25' is not recognized as the name of a cmdlet, function, script

file, or operable program. Check the spelling of the name, or if a path was included, verify that the path is correct

and try again.

At line:1 char:1

+ xlian@146.245.252.25

+ ~~~~~~~~~~~~~~~~~~~~

+ CategoryInfo : ObjectNotFound: (xlian@146.245.252.25:String) [], CommandNotFoundException

+ FullyQualifiedErrorId : CommandNotFoundException

PS C:\Users\lian1\Desktop> ssh xlian@146.245.252.25

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ATTENTION. YOU CAN LOG INTO THIS LINUX WORKSTATION AND OTHER LINUX WORKSTATIONS

WITH THESE IP ADDRESSES: 146.245.252.25, 146.245.252.26, 146.245.252.31

For questions about the Linux system email me at

rpatitucci@brooklyn.cuny.edu

xlian@146.245.252.25's password:

Last login: Mon Apr 5 10:26:40 2021 from pool-100-12-204-52.nycmny.fios.verizon.net

[xlian@sol25 ~]$ guile

GNU Guile 2.0.9

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Guile comes with ABSOLUTELY NO WARRANTY; for details type `,show w'.

This program is free software, and you are welcome to redistribute it

under certain conditions; type `,show c' for details.

Enter `,help' for help.

scheme@(guile-user)> (define ftoc ( / (- x 32) ( / 9 5) )

ashjkd

While reading expression:

ERROR: In procedure scm\_i\_lreadparen: #<unknown port>:5:1: end of file

scheme@(guile-user)> (define conv (ftoc (x) ( / (- x 32) ( / 9 5 )))

(conv 100)

While reading expression:

ERROR: In procedure scm\_i\_lreadparen: #<unknown port>:7:1: end of file

scheme@(guile-user)> (define (ftoc x) (/ ( - x 32) ( / 9 5)))

scheme@(guile-user)> (ftoc 32)

$1 = 0

scheme@(guile-user)> (define (ctof y) ( + (\*y ( / 9 5)) 32)

)

;;; <stdin>:9:21: warning: possibly unbound variable `\*y'

scheme@(guile-user)> (define (ctof y) (+ ( \* y ( / 9 5 )) 32 ))

scheme@(guile-user)> (ctof 0)

$2 = 32

scheme@(guile-user)> (ctof 100)

$3 = 212

scheme@(guile-user)> (ftoc 21)

$4 = -55/9

scheme@(guile-user)>

after tested 0 degree Celsius and 32 degree Fahrenheit, I also tried some other numbers and checked answers with my calculator. They are all correct.