

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
```

```
Access to Brooklyn College computers is restricted to authorized users
```

and approved educational and research purposes, only.

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

xlbian@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

[xlbian@sol25 ~]\$ guile

GNU Guile 2.0.9

Copyright (C) 1995-2013 Free Software Foundation, Inc.

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.