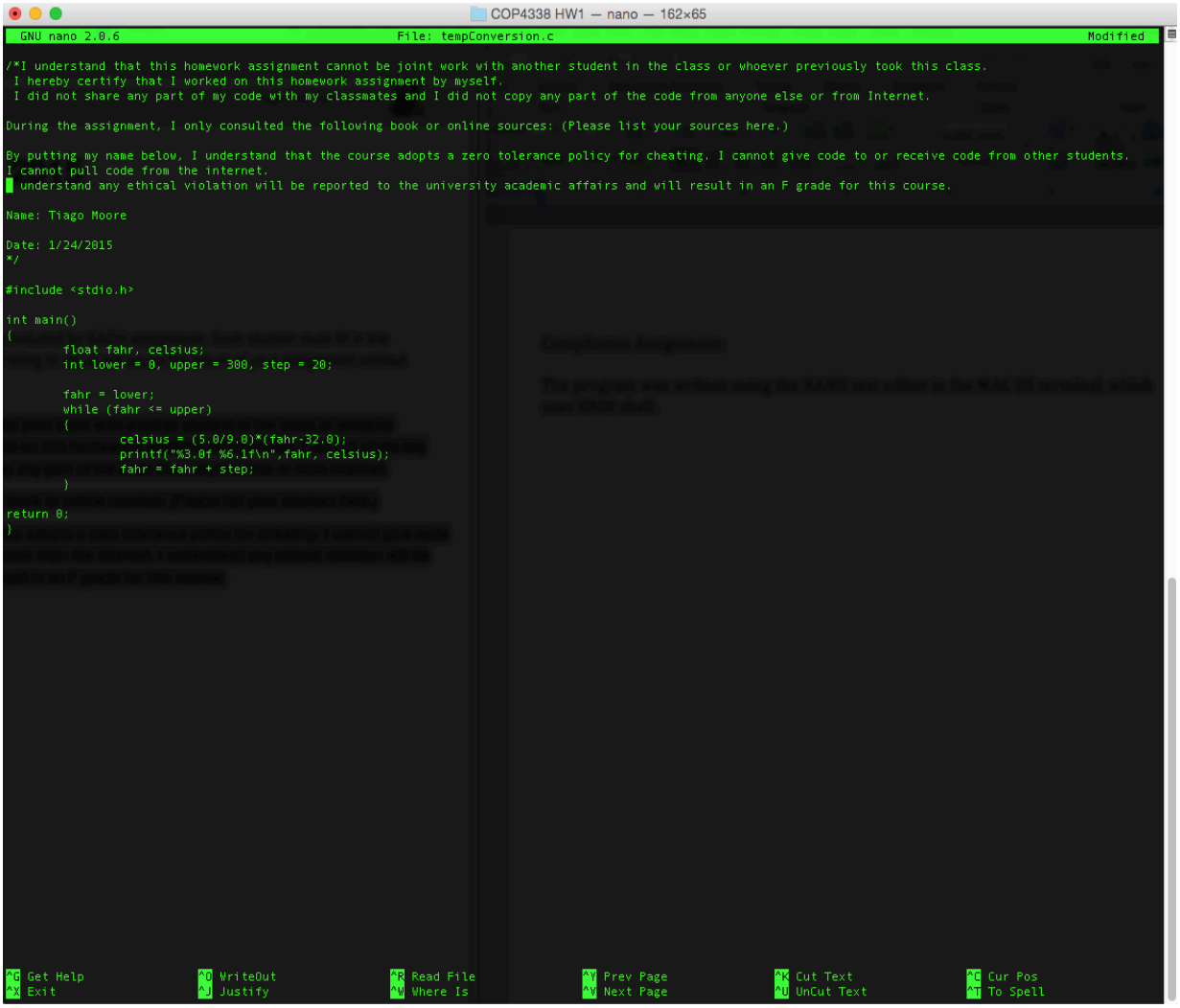
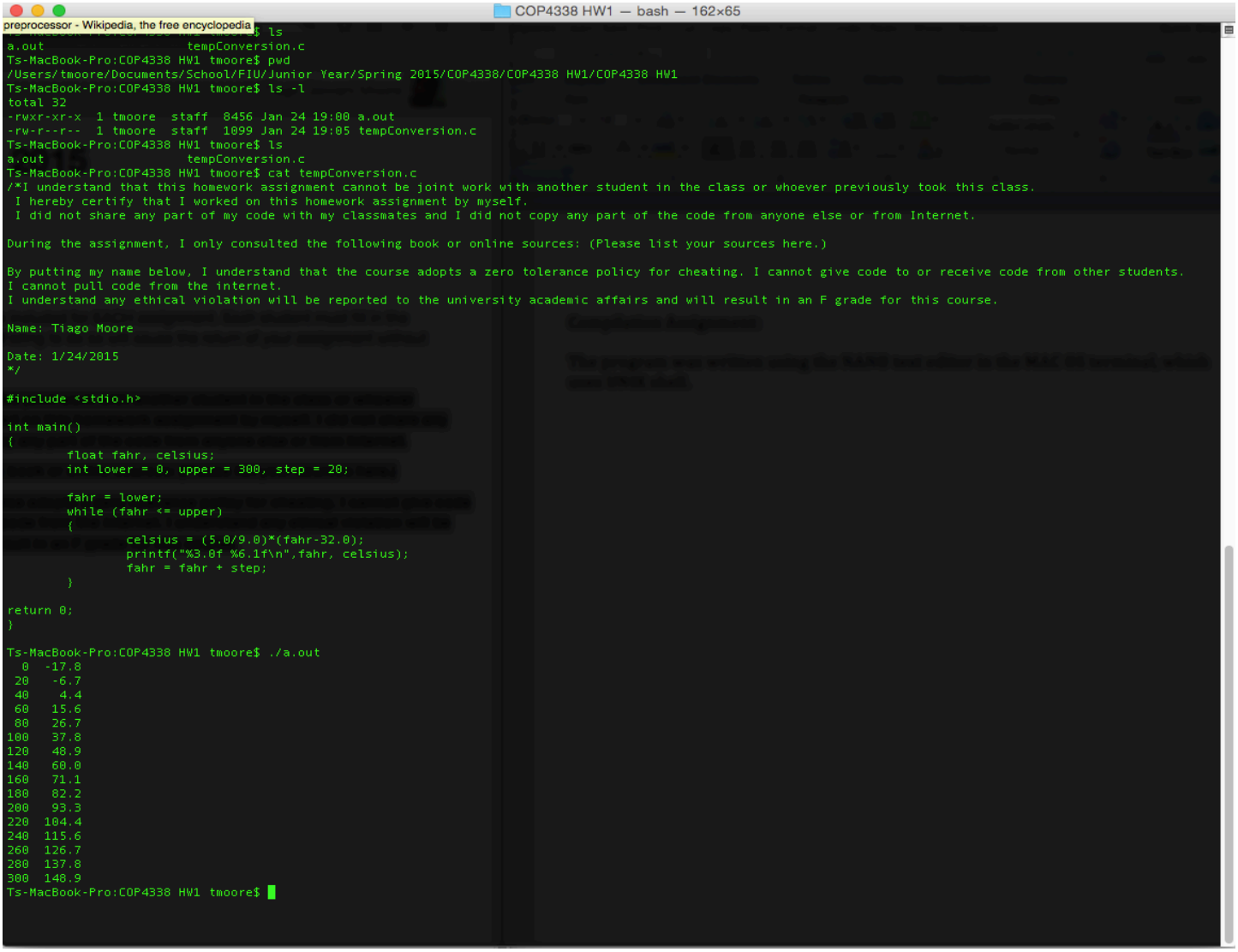
1) Ten Major Differences Java to C

- C can be considered a low level language
- C does not have any object-oriented programming
- C allows for procedural and functional programming.
- In Java, all types are always passed by value in a function and C supports passing by pointers, reference, and value.
- Memory management. Java implements a garbage collector, and in c memory management is done manually with the new and delete key words.
- C allows for external variable declaration using #define
- There are a lot less libraries than in java, so there are no operations that manipulate an entire array or string.
- C provides to input and output facilities; there are no read or write statements.
- There are no built-in file access methods
- There is no multiprogramming, parallel operations, synchronization or coroutines.

#2)

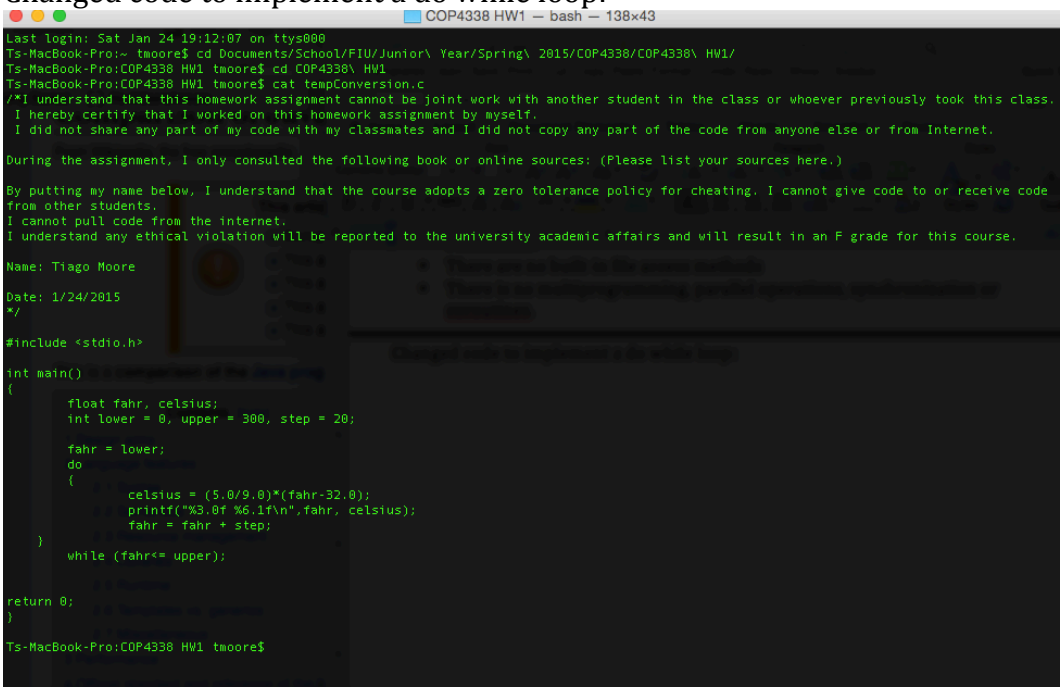


The Program sucessully ran:



3)

Changed code to implement a do while loop:



The program successfully ran and compiled.