

C/C++ Programming in a UNIX Environment, CS 3377, Problem Set 1

1. [50] Write a C program to convert $^{\circ}\text{F}$ to $^{\circ}\text{C}$ for $^{\circ}\text{F}$ values between 100 and 400 and print in a tabular format. The program should use the while loop and use defines to declare the constants in the program.
2. [50] Write a C program to count the total number of commented characters and words in a C file taking both types of C file comments (single line and block) into account.

Submit working programs as .c files to eLearning assignment placeholder A01. The program must be developed in a Linux environment. Graders will compile the code in the Linux environment using a compiler such as the gcc to grade the assignment.