University of Regina
Department of Computer Science
CS110

Winter 2025

ASSIGNMENT #1

Instructor: Dr. C. Butz

Submission Date: You must submit your solution on URCourses no later than 8:00am on 24 February 2025

Instructions: Late assignments will not be accepted.

Advice: Get your program working using standard input and output first. In other words, take input from the keyboard and output to the monitor. Once this works correctly, change the program to use file IO. That is, take input from tons.txt and send output to report.txt.

1. (100 marks) This question is based upon Question 2.4 in the text. The first line of an input file, called tons.txt, contains a whole number between 1 and 9. Using only the methods and techniques taught in CS110, write a C++ program to input the number of tons from the input file and print out the equivalent in pounds, ounces, kilograms, and grams, to an output file, called report.txt. Also, print out the conversion factors to the output file. Create the input file (tons.txt) containing a single, positive integer less than 10. The output file is created by running your program.

    Upload to URCourses before the electronic cutoff time: 1. assignment1.cpp, your C++ program, and 2. report.txt, the generated output file.

    Note on 1: Your program's file extension is .cpp. Do not upload a file with an extension of .sln, as the marker cannot view your code.