

CSE 4252: Lab2 (15 Points)

Due Date: September 26th (11:59 PM)

Objectives

- Get familiarity with file handling in C++ and the following functions
 - Understand how to use `tellg` and `seekg`
 - Get an understanding of file handling flags

Exercise 1

Download **perLine.txt** and **extractInt.cpp**. Modify **extractInt.cpp** to do the following tasks (you can modify function arguments if needed):

1. Obtain the size of **perLine.txt** file (in bytes) [Hint: Use `tellg()` and `seekg()`]
2. Extract integer values from each line of the input file (**perLine.txt** being one of the test files already provided) and save it in a file **intVals.txt**. If you see anything other than integer, it should be part of **junkVals.txt**. Therefore, you are creating 2 output files in this part.
3. Count the number of lines in the input file.
4. EXTRA CREDIT: Submit an “interesting” test input file. I would define interesting as cases where logic can go wrong. If you decide on doing this, name this file **test.txt**.

Submission: Lab2.zip

1. Modified file **extractInt.cpp** [(divide into int and junk) + (file size)] [6 Points]
2. Recorded session into file **lab2.txt** (same way you did for Lab1) [3 points]
3. **intVals.txt** and **junkVals.txt** corresponding to **perLine.txt** [6 points]
4. Optional extra credit: **test.txt** [2 point]