COSC 2430 lab 4: Hash Map

1. Introduction

You will create a C++ program to calculate the frequency of each string in a given list of string. For this lab you will use the build in unordered map or ordered map template to implement your solution.

2. Input and Output

Input file

You will be given a list of string.

The first line will be the size of the list.

The second line will contain multiple string, separated by a space.

There will be no empty file.

Output file

Output the frequency associated with the string in alphabetical order.

3. Example Output

input1.txt

7

watermelon apple orange orange apple pineapple orange

output1.txt

apple: 2

orange: 3

pineapple: 1

watermelon: 1

4. Turn in your lab assignment

Lab 4 needs to be turned in to our Linux server, follow the link here
https://rizk.netlify.app/courses/cosc2430/2_resources/
Make sure to create a folder under your root directory, name it lab4 (name need to be lower case), copy your code and argumentmanager.h to this folder, no testcase or other files needed.

PS: This document may have typos, if you think something illogical, please email TAs for confirmation.