# Summary

Document number: ECE150-PROB-01-01-001

Problem title: Console Input-Output Form

# Assessment Objectives

1. Use a text editor (e.g., Notepad++) to edit source code.

2. Use the g++ compiler to compile C/C++ source code.

3. Make basic edits to an existing program to create a new program.

# Problem Description

Your first graded task is to write a C++ program that can perform basic input-output operations in the command-line prompt. Your program should prompt the user to input their first name, date of birth, phone number, email address, city, province/state, and country. Your program should then re-print the entered information to the screen.

If you have written your source code correctly, your screen output should look like the following for a given person named John who is born on January 1, 1997, with student ID 8884567 and email address [john@doe.com](mailto:john@doe.com), coming from Waterloo, Ontario, Canada.

First Name: John

Date of birth (mmddyy): 010197

Student number: 8884567

Email address: [john@doe.com](mailto:john@doe.com)

City: Waterloo

Province/state: Ontario

Country: Canada

Thank you! sign-up is complete!

This is your sign-up receipt:

FIRST NAME: John

DATE OF BIRTH (MMDDYY): 10197

STUDENT NUMBER: 8884567

EMAIL ADDRESS: [john@doe.com](mailto:john@doe.com)

CITY: Waterloo

PROVINCE/STATE: Ontario

COUNTRY: Canada

Here are a few rules that you are kindly asked to follow in writing this C++ program:

• You need to store the first name, email address, city, province/state, and country in char arrays, and the user should be able to enter at most 20 characters without spaces in these fields.

• You should store the student number in a long variable, and the date of birth in an int variable, and the user should be able to input integer values in them.

• You are NOT permitted to use the word string in your program for any purpose. If you do, your program will automatically fail all other test cases.

Submission

You should submit the result of this exercise to the project 150-0-basicio. Your submission file must be named BasicIO.cpp.

# Usage History

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| Institution | Course | Term/Date | Use |
| Univ of Waterloo | ECE 150 | 2016 Fall | Assignment 0 |

# Lessons Learned

# Revision History

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| --- | --- | --- |
| Date | Author | Description |
| Dec 27, 2016 | David Lau | Initial transfer of document to template. |