// Michael Haley

// Lab 4c

// This program will query the user for their gpa and their college year, and then determine whether they need more school or are ready to graduate.

#include <iostream> // required for taking input and printing output

using namespace std; // sets the program to use the std namespace

const double GRAD\_GRADE = 2.0; // Initializes the constant double.

const int GRAD\_YEAR = 4; // Initializes the constant integer.

int main() // calls the main function

{

double userGrade; // declares the variable

int userYear; // declares the variable

// prompts user for their GPA

cout << "Please enter your GPA: ";

cin >> userGrade; // reads input and assigns the value to the variable

// prompts user for their college year

cout << "Please enter your college year (1, 2, 3, or 4): ";

cin >> userYear; // reads input and assigns the value to the variable

// tests if the user should graduate

if (userGrade >= GRAD\_GRADE && userYear == GRAD\_YEAR)

cout << "You will be graduating this year"; // output if the user is ready

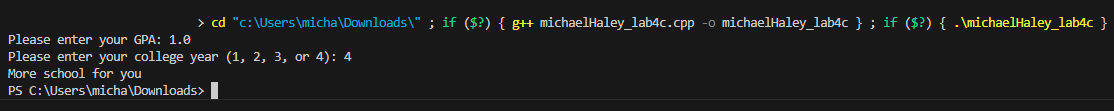
else

cout << "More school for you"; // output if the user is not ready

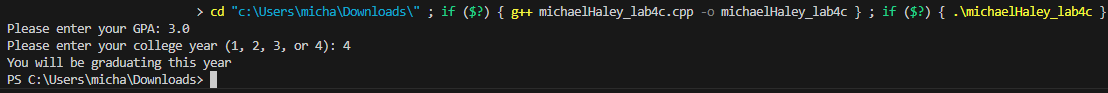
return 0; //successful conclusion of main

}

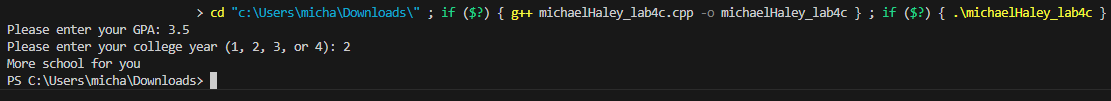
Run 1:



Run 2:



Run 3:



Flowchart:

