// Michael Haley

// Lab 4a

// This lab will test if a user entered number is equal or not equal to a pre-defined constant number.

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

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

const int BASELINE\_NUMBER = 30; // Initializes the constant integer.

int main() // calls the main function

{

int userNumber; // declares the variable

cout << "Please enter an integer: "; // prompt

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

// test if the two variables are equal

if (BASELINE\_NUMBER == userNumber)

cout << "Equal Numbers";

// test if the two variables are not equal

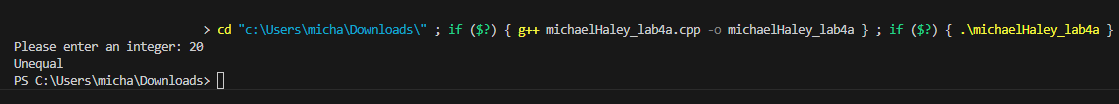
if (BASELINE\_NUMBER != userNumber)

cout << "Unequal";

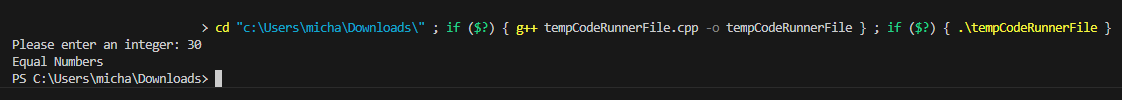
return 0; //successful conclusion of main

}

Run 1:



Run 2:



Flowchart

