// Michael Haley

// Lab 4b

// This program will decide whether you pass or not, based on comparing an input to a stored variable

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

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

const int PASS\_GRADE = 80; // Initializes the constant integer.

int main() // calls the main function

{

int userGrade; // declares the variable

cout << "Please enter your average grade: "; // prompt

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

// test if userGrade is greater than or equal to PASS\_GRADE.

if (userGrade >= PASS\_GRADE)

cout << "You Passed"; // pass message

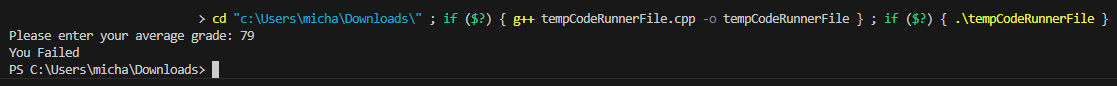
else //if the test is false

cout << "You Failed"; //fail message

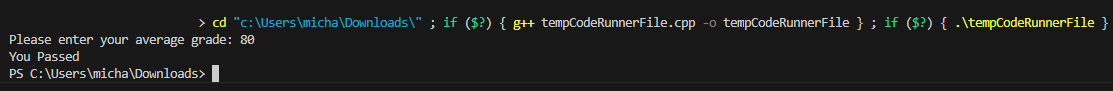
return 0; //successful conclusion of main

}

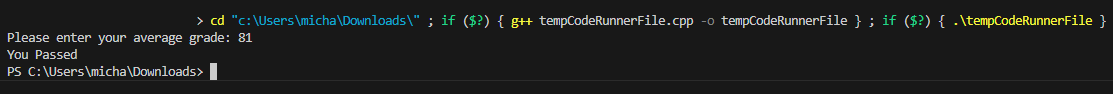
Run 1:



Run 2:



Run 3:



Flowchart:

