#include <iostream>

#include <cmath>

#include <iomanip>

using namespace std;

int main()

{

char g1;

float w1;

char g2;

float w2;

float GPA;

cout << "Enter the letter grade " ;

cin >> g1 ;

switch(g1)

{

case 'A' :

case 'a' :

g1=4;

break;

case 'B' :

case 'b' :

g1=3;

break;

case 'C' :

case 'c' :

g1=2;

break;

case 'D' :

case 'd' :

g1=1;

break;

case 'F' :

case 'f' :

g1=0;

break;

}

cout << "Enter the weight " ;

cin >> w1 ;

cout << "Enter the letter grade " ;

cin >> g2 ;

switch(g2)

{

case 'A' :

case 'a' :

g2=4;

break;

case 'B' :

case 'b' :

g2=3;

break;

case 'C' :

case 'c' :

g2=2;

break;

case 'D' :

case 'd' :

g2=1;

break;

case 'F' :

case 'f' :

g2=0;

break;

}

cout << "Enter weight " ;

cin >> w2 ;

GPA= ((g1\*w1)+(g2\*w2))/(w1+w2);

cout <<fixed << setprecision(2);

cout << "GPA: " << GPA << endl;

if (GPA > 3.5)

{ cout << "Congratulations" << endl;}

if (GPA < 2.0)

{ cout << "Warning" << endl;}

return(0);

}