//Program for OOPS Practical 3

#include <iostream>

using namespace std;

class DB;

class DM{

double m,cm;

public:

void getdata(){

cout<<"\nEnter value of meter : ";

cin>>m;

cout<<"Enter value of centimeter : ";

cin>>cm;

}

friend double sum(DM a ,DB b);

};

class DB{

double ft,in;

public:

void getdata(){

cout<<"\nEnter value of feet : ";

cin>>ft;

cout<<"Enter value of inch : ";

cin>>in;

}

friend double sum(DM a ,DB b);

};

double sum(DM a,DB b){

float x,y,z;

x=(a.m+(a.cm/100));

y=(b.ft+(b.in/12));

z=(x+(y\*0.304)); //Since 1 ft = 0.304 m

return z;

}

int main() {

DM a;

DB b;

cout<<"Enter the values of meter and centimeters->";

a.getdata();

cout<<"Enter the values of feet and inches->";

b.getdata();

cout<<"\nThe summed value in meter is : "<<sum(a,b)<<" meters";

return 0;

}

