#include<iostream>

using namespace std;

class distancee

{

private:

int feet;

float inches;

public:

distancee()

{

feet=0;

inches=0;

}

distancee(int ft,float in)

{

feet=ft;

inches=in;

}

void get()

{

cout<<"Enter the feet and inches"<<endl;

cout<<"Enter feet"<<endl;

cin>>feet;

cout<<"Enter inches"<<endl;

cin>>inches;

}

void show()

{

cout<<"\nfeet are=";

cout<<feet;

cout<<"\ninches are=";

cout<<inches;

}

bool operator <(distancee);

};

bool distancee::operator<(distancee d2)

{

float f1=feet+inches/12;

float f2=d2.feet+d2.inches/12;

return (f1<f2)? true:false;

}

int main()

{

distancee d1;

distancee d2(6,5.75);

cout<<"\n\nEnter details"<<endl;

d1.get();

cout<<"You have the following details:"<<endl;

d1.show();

d2.show();

if(d1<d2)

{

cout<<"\nThe d1 is lessthan d2"<<endl;

}

else

{

cout<<"\nThe d1 is greater "<<endl;

}

cout<<"\n\n\n\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*";

getchar();

getchar();

return 0;

}