#include<iostream>

using namespace std;

class quest1

{

private:

int feet,inches;

public:

quest1(){

feet=0;

inches=0;

}

quest1(int feet,int inches){

this->feet=feet;

this->inches=inches;

}

quest1 operator+(quest1 const &q1){

quest1 q2;

q2.feet=feet+q1.feet;

q2.inches=inches+q1.inches;

while(q2.inches >= 12.0) {

q2.inches = q2.inches - 12.0;

++q2.feet;

}

return q2;

}

friend quest1 operator+(int z,quest1 const&q1){

quest1 q2;

q2.feet=z+q1.feet;

q2.inches=0+q1.inches;

return q2;

}

void show(){

cout<<"Distance in feet is "<<this->feet<<endl;

cout<<"Distance in inches is "<<this->inches<<endl;

}

};

class quest1b

{

private:

int x;

public:

quest1b(){

cout<<"Enter Value to be Decremented"<<endl;

cin>>x;

cout<<"Value of X before Decrementation is "<<x<<endl;

}

quest1b operator--(){

--x;

return \*this;

}

void show(){

cout<<"Value of X after Decrementation is "<<x<<endl;

}

};

int main()

{

quest1 q1(23,8.6),q2(34,2.4);

quest1 q3;

q3=q1+q2;

q3.show();

quest1 q4;

q4=5+q2;

q4.show();

cout<<"Part-b"<<endl;

quest1b q1b;

--q1b;

q1b.show();

return 0;

}