```
#pragma once
⊟#include <iostream>
 #include <iomanip>
       TimeHMS(int h, int m, int s) : hour(h), min(m), sec(s) {}
TimeHMS(int d = 0) { convert(d); }
~TimeHMS() {}
            hour = total / (60 * 60);
total %= (60 * 60);
            min = total / 60;
sec = total % 60;
       int totalsec() { return hour * (60 * 60) + min * 60 + sec; }
       TimeHMS operator+(TimeHMS t) {
    return TimeHMS((hour + t.hour) * 3600 + (min + t.min) * 60 + (sec + t.sec));
       bool operator==(TimeHMS t) { return totalsec() == t.totalsec(); }
bool operator!=(TimeHMS t) { return totalsec() != t.totalsec(); }
TimeHMS& operator++() {
    hour++;
    return *this;
       TimeHMS& operator--() {
    No issues found
       TimeHMS.cpp ≠ X
                                                                                                                   (Global Scope)
                                                                                                                 t1
t2
       TimeHMS& operator--() {
            return *this:
       TimeHMS& operator++(int) {
            sec++
            return *this;
        TimeHMS& operator--(int) {
            return *this;
       int operator[] (int id) {
   if (id == 0) return hour;
   else if (id == 1) return min;
   else if (id == 2) return sec;
   else return -1;
       perator int() { return totalsec(); }
operator double() { return totalsec() / 3600.; }
friend TimeHMS operator*(int times, TimeHMS t) {
    return TimeHMS(times * t.totalsec());
       friend ostream& operator<<(ostream& os, const TimeHMS& t) {
  os << fixed << setfill('0') <<
    setw(2) << t.hour << ":" <<
    setw(2) << t.min << ":" <<
                 setw(2) << t.sec << endl:
        friend istream& operator>>(istream& is, TimeHMS& t) {
            is >> total;
    No issues found
       TimeHMS.cpp → X
                                                                                                                          Microsoft Visual Studio Debug Console
                                                                         ₹ %TimeHMS
                                                                                                                                 4830
                                                                                                                         t2: 16546
            t.convert(total);
                                                                                                                        t1 = 01:20:30
t2 = 04:35:46
t3=t1+t2, t3 = 05:56:16
t3=t1-t2, t3 + -3:-15:-16
++t1 = 02:20:30
--t1 = 01:20:30
t1++ = 01:20:31
t1-- = 01:20:30
j;
 ∃void main()
       TimeHMS t1, t2, t3;
      t1[sec] = 4830
t1[hour] = 1.341667
                                                                                                                         2*t1 = 02:41:00
                                                                                                                         Press any key to close this window . . .
       cout << "t1[0], t1[1], t1[2] = " << t1[0] << ", " << t1[1] << ", " << t1[2] << endl; cout << "\n";
      cout << "\n";
cout << "tilsec] = " << (int)t1 << endl;
cout << "tilfnor] = " << (double)t1 << endl;
cout << "\n";
cout << "\n";</pre>
   No issues found
```

C:₩Users₩user₩source₩repos₩Week11\_Homework2₩x64₩Debug₩Week11\_Homework2.exe

iomanip