//**04-01** Law office billing program.

//in the call by value only the value of the argument is substituted for the formal parameter

#include <iostream>

#include <conio.h>

using namespace std;

const double RATE = 150.00; //Dollars per quarter hour.

double **fee***(* **int** hoursWorked, **int** minutesWorked); //use meaningful names!

//Returns the charges for hoursWorked hours and

//minutesWorked minutes of legalservices

int main( )

Arguments do not have to be variables

{

int hours, minutes;

double bill;

cout << "Welcome to the law office of\n"

<< "Dewey, Cheatham, and Howe.\n"

<< "The law office with a heart.\n"

<< "Enter the hours and minutes"

Not changed by the call to fee

**5 46 still 5 46**

<< " of your consultation:\n";

cin >> hours >> minutes;

**bill** = **fee**(hours, **minutes**);

cout.setf(ios::fixed);

cout.setf(ios::showpoint);

cout.precision(2);

cout << "For " << hours << " hours and " << **minutes**

<< " minutes, your bill is $" << **bill** << endl;

Initialized to a value of ***minutes***

system ("pause");

return 0;

}

double fee(int **hoursWorked**, int **minutesWorked**)

{

Local ? variables,

Variable. location of origin forgotten

int quarterHours;

// int minutesWorked**; ???**

**minutesWorked**=**hoursWorked\***60+minutesWorked;

quarterHours = minutesWorked/15;

return (quarterHours\*RATE);

}