//Law office billing program.

#include <iostream>

using namespace std;

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

double fee(int hours\_worked, int minutes\_worked);

//Returns the charges for hours\_worked hours and

//minutes\_worked minutes of legal services.

int main()

{

int hours, minutes;

double bill;

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

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

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

<< "Enter the hours and minutes"

<< " of your consulation:\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;

return 0;

}

double fee(int hours\_worked, int minutes\_worked)

{

int quarter\_hours;

minutes\_worked = hours\_worked \* 60 + minutes\_worked;

quarter\_hours = minutes\_worked / 15;

return (quarter\_hours \* RATE);

}