CODE

#include <iostream>

using namespace std;

int main()

{

double length, width, height;

/\* as we have to calculate volume in cubic feet so we will

\* ask user to input dimensions in foot/feet.

\*/

cout << "input crate's length in foot/feet" << endl;

cin >> length;

cout << "input crate's width in foot/feet" << endl;

cin >> width;

cout << "input crate's height in foot/feet" << endl;

cin >> height;

double volume;

volume = length \* width \* height;

double COST\_PER\_CUBIC\_FOOT = 0.23;

double CHARGE\_PER\_CUBIC\_FOOT = 0.5;

double cost;

cost = volume \* COST\_PER\_CUBIC\_FOOT;

double charge;

charge = volume \* CHARGE\_PER\_CUBIC\_FOOT;

double profit;

profit = charge - cost;

cout << "Volume of crate is " << volume << " cubic feet" << endl;

cout << "The actual cost for making the crate is " << cost <<

endl;

cout << "Amount charged to customer is " << charge << endl;

cout << "The profit eraned by crate maker is " << profit << endl;

system("pause");

return 0;

}

OUTPUT

