//Determines the retail price of an item according to

//the pricing policies of the Quick-Shop supermarket chain.

#include <iostream>

void introduction();

//Postcondition: Description of program is written on the screen.

void get\_input(double& cost, int& turnover);

//Preconsition: USer is ready to enter values correctly.

//Postcondition: The value of cost has been set to the

//wholesale cost of one item. The value of turnover has been

//set to the expected number of days until the item is sold.

double price(double cost, int turnover);

//Preconsition: cost is the wholesale cost of one item.

//turnover is the expected number of days until sale of the item.

//Returns the retail price of the item.

void give\_output(double cost, int turnover, double price);

//Precondition: cost is the wholesale cost of one item; turnover is the

//expected time until sale of the item; price is the retail price of the item.

//Postconsition: The values of cost, turnover, and price have been

//written to the screen.

int main()

{

double wholesale\_cost, retail\_price;

int shelf\_time;

introduction();

get\_input(wholesale\_cost, shelf\_time);

retail\_price = price(wholesale\_cost, shelf\_time);

give\_output(wholesale\_cost, shelf\_time, retail\_price);

return 0;

}

//Uses iostream:

void introduction()

{

using namespace std;

cout << "This program determines the retail price for\n"

<< "an item at a Quick-Shop supermarket store.\n";

}

//Uses iostream:

void get\_input(double& cost, int& turnover)

{

using namespace std;

cout << "Enter the wholesale cost of item: $";

cin >> cost;

cout << "Enter the expected number of days until sold: ";

cin >> turnover;

}

//Uses iostream:

void give\_output(double cost, int turnover , double price)

{

using namespace std;

cout.setf(ios::fixed);

cout.setf(ios::showpoint);

cout.precision(2);

cout << "Wholesale cost = $" << cost << endl

<< "Expected time until sold = "

<< turnover << " days" << endl

<< "Retail price= $" << price << endl;

}

//This is ony a tub:

double price(double cost, int turnover)

{

return 9.99; //Not correct, but good enough for some testing.

}