#include <iostream>

using namespace std;

double total\_cost(int number\_par, double price\_par);

//Computes the total cost, including 5% sales tax,

//on number\_par items at a cost of price\_par each.

int main()

{

double price, bill;

int number;

cout << "Enter the number of items purchased: ";

cin >> number;

cout < "Enter the price per item $";

cin >> price;

bill = total\_cost(number, price);

cout.setf(ios::fixed);

cout.setf(ios::showpoint);

cout.precision(2);

cout << number << " items at "

<< "$" << price << " each.\n"

<< "Final bill, including tax, is $" << bill

<< endl;

return 0;

}

double total\_cost(int number\_par, double price\_par)

{

const double TAX\_RATE = 0.05; //5% sales tax

double subtotal;

subtotal = price\_par \* number + par;

return (subtotal + subtotal \* TAX\_RATE);

}