//03-05 bill function **call by value**

#include <iostream>

#include <conio.h>

using namespace std;

double totalCost(int numberParameter, double priceParameter)**;**

***//function declaration, (formal) parameters***

//double totalCost(**int, double );// is OK**

**//function should be self-c ontained unit**

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

//on numberPar items at a cost of pricePar 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 = totalCost(number, price); ***//function call, arguments***

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;

\_getch();

return 0;

}

double totalCost(int numberParameter, double priceParameter**) //no ;**

{

**const double TAXRATE = 0.05;** //5% sales tax , **local**

**double subtotal**; **//local**

subtotal = priceParameter \* numberParameter;

return (subtotal + subtotal\*TAXRATE);

}