Cash Register:

Compiling and executing a cash register simulation computer program.

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\*Program to demonstrate a

\*simple cash register program

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#include <iostream>

#include <iomanip>

using namespace std;

int main()

{

//declare and initialize the variables

int quantity = 0;

double price = 0, subtotal = 0;

double tax = 0, total = 0;

double amount\_tendered = 0, change = 0;

//prompt user and receive the data

cout << "please enter the item price: ";

cin >> price;

cout << "\nplease enter the item quantity: ";

cin >> quantity;

//set the output manipulation values

cout.setf(ios::fixed);

cout.precision(2);

//process the input data and display the output

subtotal = price \* quantity;

cout << "\nsubtotal: \t$" << setw(15) << subtotal << endl;

tax = subtotal \* 0.05;

cout << "\ntax: \t$" << setw(15) << tax << endl;

total = tax + subtotal;

cout << "\ntotal: \t$" << setw(15) << total << endl;

cout << "\nPlease enter in amount to be tendered\n";

cin >>amount\_tendered;

cout << "\ntotal: \t$" << setw(15) << total << endl;

cout << "\nAmount :\t$" << setw(15) << amount\_tendered << endl;

change = amount\_tendered - total;

cout << "\n\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*"

<< "\nChange =\t$" <<setw(15) <<change << endl;

cout << "\nThank you for shopping at MSA. Please come again" << endl;

cout << "\n\n";

cout << "press [Enter] to close this window\n";

//cin.get();

system("pause");

return 0;

}

A screenshot of a computer

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