Mod 3 Assignment

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Author Note

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//Simple Cash Register

#include <iostream>

#include <string>

#include <iomanip>

using namespace std;

int main(){ //instatiate all the variables needed

float items[5] = {};

string condition = "wait";

float tax = .07;

float subtotal[5] = {};

float itemTotal = 0;

float taxTotal = 0;

float total = 0;

//The loop that fills the arrays and total variables

for(int i = 0; i < 5; i++){

cout << "Enter item price: ";

cin >> items[i];

subtotal[i] = (items[i] \* tax) + items[i];

itemTotal = itemTotal + items[i];

taxTotal = taxTotal + (items[i] \* tax);

total = total + subtotal[i];

}

cout << "Item Cost" << setw(18) << "Item Tax" << setw(18) << "Item Subtotal" << endl;

cout << "----------------------------------------------" << endl;

//the loop that outputs the item information

for(int i = 0; i < 5; i++){

cout << setprecision(2) << fixed;

cout << items[i] << setw(20) << items[i]\*tax << setw(20) << subtotal[i] << endl;

}

cout << "----------------------------------------------" << endl;

cout << "Items Total" << setw(18) << "Tax Total" << setw(18) << "Total Due" << endl;

cout << itemTotal << setw(20) << taxTotal << setw(20) << total;

}