Mod 5 Assignment

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Author Note

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//Simple Cash Register

#include <iostream>

#include <string>

#include <iomanip>

using namespace std;

//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

void fillArray(){

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];

}

}

//Output the information

void output(){

cout << "Item Cost" << "\t\t" << "Item Tax" << "\t\t" << "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] << "\t\t\t" << items[i]\*tax << "\t\t\t" << subtotal[i] << endl;

}

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

cout << "Items Total" << "\t\t" << "Tax Total" << "\t\t" << "Total Due" << endl;

cout << itemTotal << "\t\t\t" << taxTotal << "\t\t\t" << total;

}

int main(){

fillArray();

output();

}