COLLEGE OF ENGINERING AND COMPUTER STUDIES

OUTCOMES EVALUATION 2

POS Computer System

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Course & Section
BSCS 1-1

Date:
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OUTCOMES OUTLINE

I. DESCRIPTION

POS Computer System that computers atleast 3 kinds of product input, plus 12% VAT.

II. THEORETICAL FRAMEWORK

INPUT	PROCESS	OUTPUT
Name	`cout << "Enter your name : ";` `getline(cin,Cname);`	Name
7-Eleven	`cout << "\n 7-Eleven " << endl;`	7-Eleven
Malvar	`cout << "\n Malvar " << endl;`	Malvar
STORE & REGISTER	`cout << "\nSTORE: 00501 REGISTER: 001 " << endl;`	STORE & REGISTER
CASHIER: Bough Gart	`cout << "\nCASHIER: Bough Gart ";`	CASHIER: Bought Gart
CUSTOMER RECEIPT COPY	`cout << "\nCUSTOMER RECEIPT COPY";`	CUSTOMER RECEIPT COPY
Customer Number	`cout << "\nCustomer Number:";` `cout << "\n289431074102338";`	Customer Number

Product Name 1-3	`cout << "Product Name : " << P1 << endl;`
	`cout << "Product Name : " << P2 << endl;`
	`cout << "Product Name : " << P3 << endl;`
		Product Name

Product ID 1-3	`cout << "Product ID : 121" << endl;`
	
	`cout << "Product ID : 122" << endl;`
	
	`cout << "Product ID : 123" << endl;`
		Product ID

Price 1-3	`cout << "Price : " << "P" << PR1 << endl;`
	
	`cout << "Price : " << "P" << PR2 << endl;`
	
	`cout << "Price : " << "P" << PR3 << endl;`
		Price

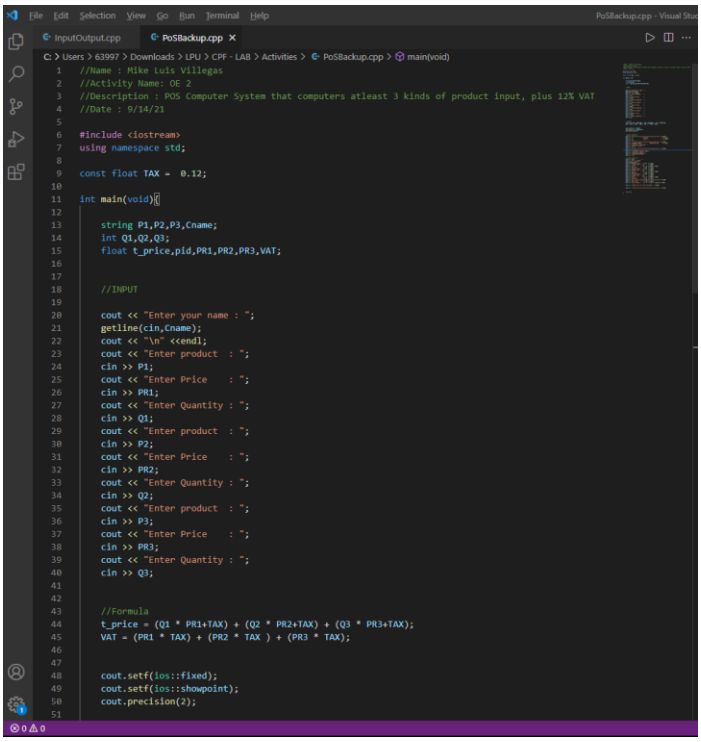
Quantity 1-3	`cout << "Quantity : " << Q1 << endl;`
	
	`cout << "Quantity : " << Q2 << endl;`
	
	`cout << "Quantity : " << Q3 << endl;`
		Quantity

VAT	`VAT = (PR1 * TAX) + (PR2 * TAX ) + (PR3 * TAX);`	VAT

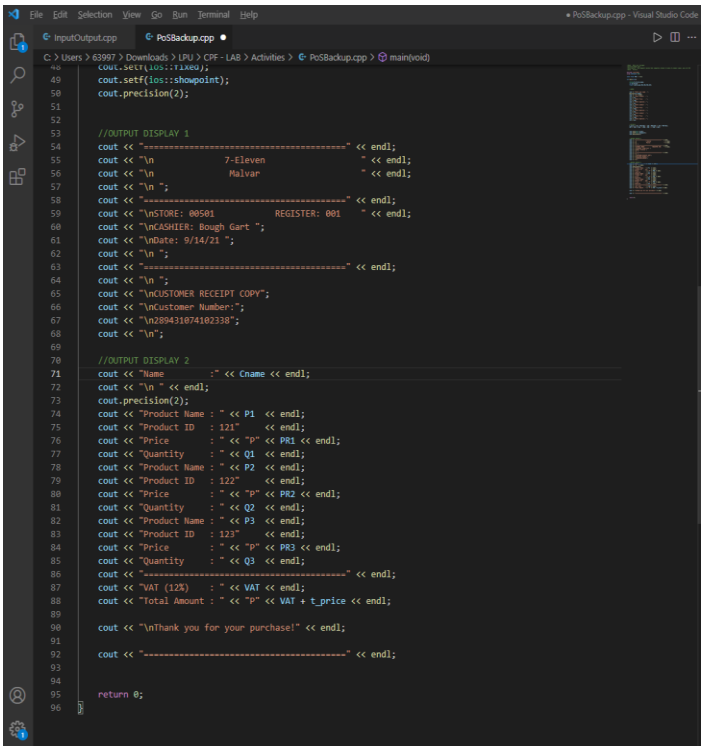
Total Amount	`t_price = (Q1 * PR1+TAX) + (Q2 * PR2+TAX) + (Q3 * PR3+TAX);`
	
	`cout << "Total Amount : " << "P" << VAT + t_price << endl;`
		Total Amount

TAX	`const float TAX = 0.12;`	TAX

A. Visual Studio Code

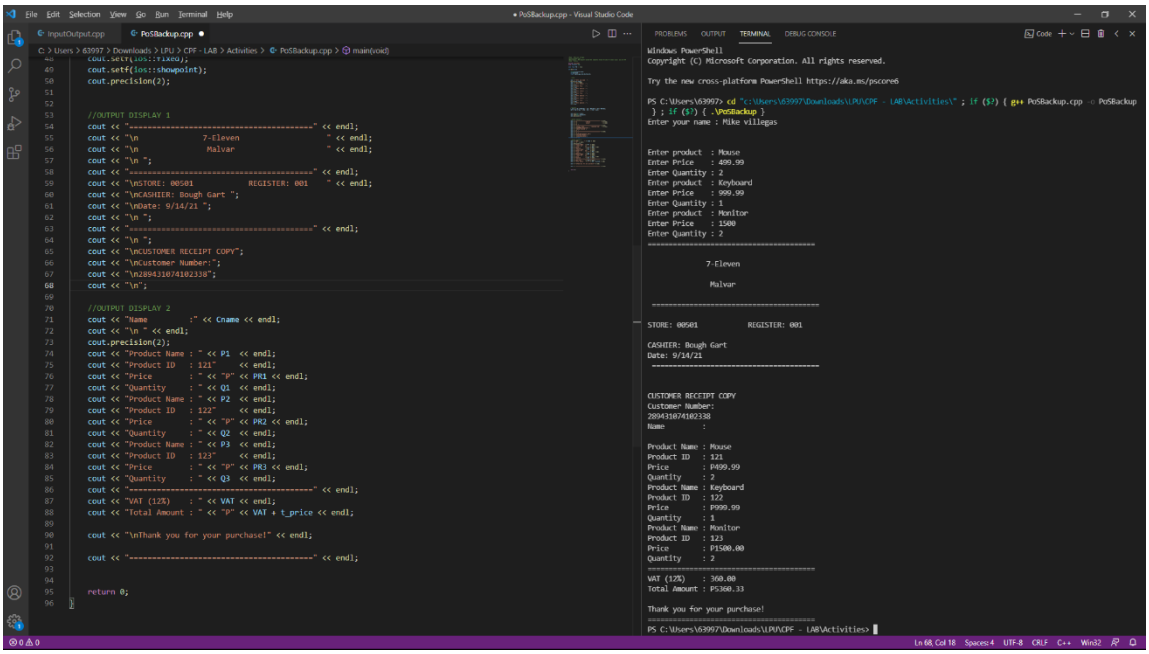


```
//Name : Mike Luis Villegas
//Activity Name: OE 2
//Description : POS Computer System that computers atleast 3 kinds of product input, plus 12% VAT
//Date : 9/14/21

#include <iostream>
using namespace std;

const float TAX =  0.12;

int main(void){

    string P1,P2,P3,Cname;
    int Q1,Q2,Q3;
    float t_price,pid,PR1,PR2,PR3,VAT;


    //INPUT

    cout << "Enter your name : ";
    getline(cin,Cname);
    cout << "\n" <<endl;
    cout << "Enter product  : ";
    cin >> P1;
    cout << "Enter Price    : ";
    cin >> PR1;
    cout << "Enter Quantity : ";
    cin >> Q1;
    cout << "Enter product  : ";
    cin >> P2;
    cout << "Enter Price    : ";
    cin >> PR2;
    cout << "Enter Quantity : ";
    cin >> Q2;
    cout << "Enter product  : ";
    cin >> P3;
    cout << "Enter Price    : ";
    cin >> PR3;
    cout << "Enter Quantity : ";
    cin >> Q3;


    //Formula
    t_price = (Q1 * PR1+TAX) + (Q2 * PR2+TAX) + (Q3 * PR3+TAX);
    VAT = (PR1 * TAX) + (PR2 * TAX ) + (PR3 * TAX);


    cout.setf(ios::fixed);
    cout.setf(ios::showpoint);
    cout.precision(2);
```



```
    cout.setf(ios::fixed);
    cout.setf(ios::showpoint);
    cout.precision(2);


    //OUTPUT DISPLAY 1
    cout << "=======================================" << endl;
    cout << "\n             7-Eleven                  " << endl;
    cout << "\n              Malvar                   " << endl;
    cout << "\n ";
    cout << "=======================================" << endl;
    cout << "\nSTORE: 00501           REGISTER: 001    " << endl;
    cout << "\nCASHIER: Bough Gart ";
    cout << "\nDate: 9/14/21 ";
    cout << "\n ";
    cout << "=======================================" << endl;
    cout << "\n ";
    cout << "\nCUSTOMER RECEIPT COPY";
    cout << "\nCustomer Number:";
    cout << "\n2894310741023338";
    cout << "\n";

    //OUTPUT DISPLAY 2
    cout << "Name          :" << Cname << endl;
    cout << "\n " << endl;
    cout.precision(2);
    cout << "Product Name : " << P1  << endl;
    cout << "Product ID   : 121"     << endl;
    cout << "Price        : " << "P" << PR1 << endl;
    cout << "Quantity     : " << Q1  << endl;
    cout << "Product Name : " << P2  << endl;
    cout << "Product ID   : 122"     << endl;
    cout << "Price        : " << "P" << PR2 << endl;
    cout << "Quantity     : " << Q2  << endl;
    cout << "Product Name : " << P3  << endl;
    cout << "Product ID   : 123"     << endl;
    cout << "Price        : " << "P" << PR3 << endl;
    cout << "Quantity     : " << Q3  << endl;
    cout << "---------------------------------------" << endl;
    cout << "VAT (12%)    : " << VAT << endl;
    cout << "Total Amount : " << "P" << VAT + t_price << endl;

    cout << "\nThank you for your purchase!" << endl;

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


    return 0;
}
```

B. Sample Input/Output



III. PROGRAM SOURCE CODE

```
//Name : Mike Luis Villegas
//Activity Name: OE 2
//Description : POS Computer System that computers atleast 3 kinds of prod
uct input, plus 12% VAT
//Date : 9/14/21

#include <iostream>
using namespace std;

const float TAX =  0.12;

int main(void){

    string P1,P2,P3,Cname;
    int Q1,Q2,Q3;
    float t_price,pid,PR1,PR2,PR3,VAT;


    //INPUT

    cout << "Enter your name : ";
```

```
    getline(cin,Cname);
    cout << "\n" <<endl;
    cout << "Enter product  : ";
    cin >> P1;
    cout << "Enter Price    : ";
    cin >> PR1;
    cout << "Enter Quantity : ";
    cin >> Q1;
    cout << "Enter product  : ";
    cin >> P2;
    cout << "Enter Price    : ";
    cin >> PR2;
    cout << "Enter Quantity : ";
    cin >> Q2;
    cout << "Enter product  : ";
    cin >> P3;
    cout << "Enter Price    : ";
    cin >> PR3;
    cout << "Enter Quantity : ";

    cin >> Q3;


    //Formula
    t_price = (Q1 * PR1+TAX) + (Q2 * PR2+TAX) + (Q3 * PR3+TAX);
    VAT = (PR1 * TAX) + (PR2 * TAX ) + (PR3 * TAX);


    cout.setf(ios::fixed);
    cout.setf(ios::showpoint);
    cout.precision(2);


    //OUTPUT DISPLAY 1
    cout << "=======================================" << endl;
    cout << "\n              7-Eleven                 " << endl;
    cout << "\n               Malvar                  " << endl;
    cout << "\n ";
    cout << "=======================================" << endl;
    cout << "\nSTORE: 00501           REGISTER: 001    " << endl;
    cout << "\nCASHIER: Bough Gart ";
    cout << "\nDate: 9/14/21 ";
    cout << "\n ";
    cout << "=======================================" << endl;
```

```
    cout << "\n ";
    cout << "\nCUSTOMER RECEIPT COPY";
    cout << "\nCustomer Number:";
    cout << "\n289431074102338";
    cout << "\n";

    //OUTPUT DISPLAY 2
    cout << "Name          :";
    cout << "\n " << endl;
    cout.precision(2);
    cout << "Product Name : " << P1  << endl;
    cout << "Product ID   : 121"     << endl;
    cout << "Price        : " << "P" << PR1 << endl;
    cout << "Quantity     : " << Q1  << endl;
    cout << "Product Name : " << P2  << endl;
    cout << "Product ID   : 122"     << endl;
    cout << "Price        : " << "P" << PR2 << endl;
    cout << "Quantity     : " << Q2  << endl;
    cout << "Product Name : " << P3  << endl;

    cout << "Product ID   : 123"     << endl;
    cout << "Price        : " << "P" << PR3 << endl;
    cout << "Quantity     : " << Q3  << endl;
    cout << "=======================================" << endl;
    cout << "VAT (12%)    : " << VAT << endl;
    cout << "Total Amount : " << "P" << VAT + t_price << endl;

    cout << "\nThank you for your purchase!" << endl;

    cout << "=======================================" << endl;


    return 0;
}
```

IV. LEARNING OUTCOMES

As expected, it became more confusing to me at first because of the implementation of the formulas. I thought at first glance it will be very complicated since quite few variables are introduced to me. I also learned that patience is everything in coding and perseverance especially when you're at your wits end, you must be calm and maintain your focus.

V. REFERENCES (If any…)

http://salesreceiptstore.com/fake-receipt-templates/