



COLLEGE OF ENGINEERING AND COMPUTER STUDIES

OUTCOMES EVALUATION 2

POS Computer System

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Course & Section
BSCS 1-1

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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	<pre>cout << "Enter your name : "; getline(cin,Cname);</pre>	Name
7-Eleven	<pre>cout << "\n 7- Eleven " << endl;</pre>	7-Eleven
Malvar	<pre>cout << "\n Malvar " << endl;</pre>	Malvar
STORE & REGISTER	<pre>cout << "\nSTORE: 00501 REGISTER: 001 " << endl;</pre>	STORE & REGISTER
CASHIER: Bough Gart	<pre>cout << "\nCASHIER: Bough Gart ";</pre>	CASHIER: Bought Gart
CUSTOMER RECEIPT COPY	<pre>cout << "\nCUSTOMER RECEIPT COPY" ;</pre>	CUSTOMER RECEIPT COPY
Customer Number	<pre>cout << "\nCustomer Number:"; cout << "\n289431074102338";</pre>	Customer Number
Product Name 1-3	<pre>cout << "Product Name : " << P1 << endl; cout << "Product Name : " << P2 << endl; cout << "Product Name : " << P3 << endl;</pre>	Product Name



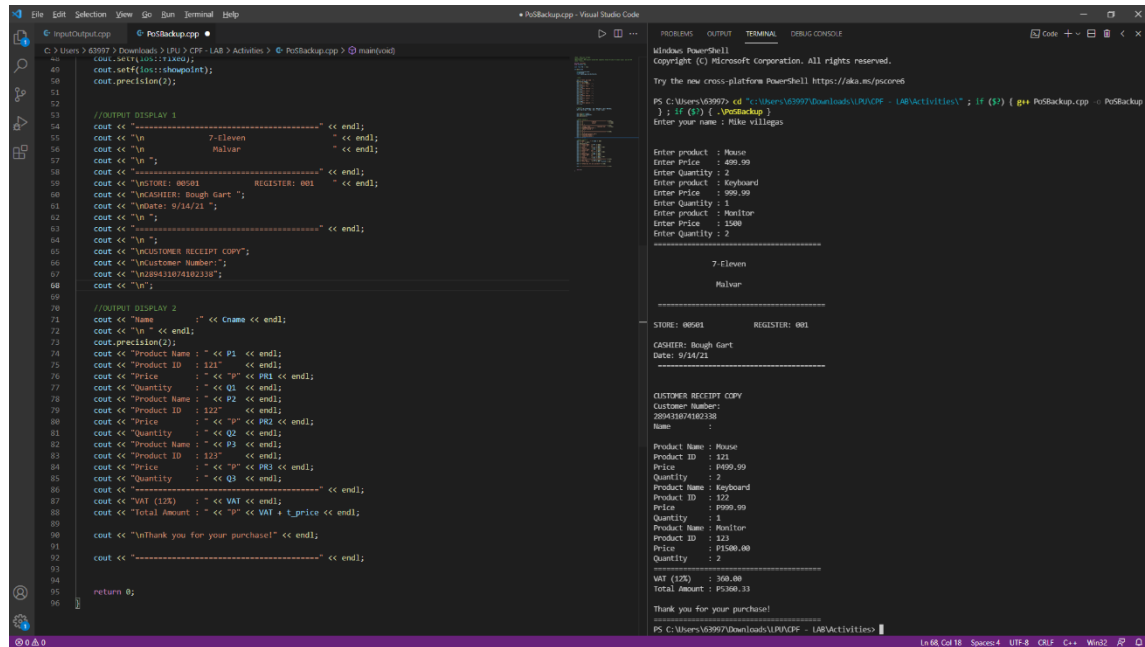
Product ID 1-3	<pre>cout << "Product ID : 121" << endl; cout << "Product ID : 122" << endl; cout << "Product ID : 123" << endl;</pre>	Product ID
Price 1-3	<pre>cout << "Price : " << "P" << PR1 << endl; cout << "Price : " << "P" << PR2 << endl; cout << "Price : " << "P" << PR3 << endl;</pre>	Price
Quantity 1-3	<pre>cout << "Quantity : " << Q1 << endl; cout << "Quantity : " << Q2 << endl; cout << "Quantity : " << Q3 << endl;</pre>	Quantity
VAT	<pre>VAT = (PR1 * TAX) + (PR2 * TA X) + (PR3 * TAX);</pre>	VAT
Total Amount	<pre>t_price = (Q1 * PR1+TAX) + (Q2 * PR2+TAX) + (Q3 * PR3+TAX); cout << "Total Amount : " << "P" << VAT + t_price << endl;</pre>	Total Amount
TAX	<pre>const float TAX = 0.12;</pre>	TAX

A. Visual Studio Code

```
File Edit Selection View Go Run Terminal Help
PoSBakup.cpp - Visual Studio Code
C:\Users\63997> Downloads > LPU > CPE - LAB > Activities > PoSBakup.cpp > main(void)
1 //Name : Mike Luis Villegas
2 //Activity Name: 06 2
3 //Description : POS Computer System that computers atleast 3 kinds of product input, plus 12% VAT
4 //Date : 9/14/21
5
6 #include <iostream>
7 using namespace std;
8
9 const float TAX = 0.12;
10
11 int main(void){
12
13     string P1,P2,P3,Cname;
14     int Q1,Q2,Q3;
15     float t_price,p1d,PR1,PR2,PR3,VAT;
16
17     //INPUT
18
19     cout << "Enter your name : ";
20     getline(cin,Cname);
21     cout << "\n <<endl;
22     cout << "Enter product : ";
23     cin >> P1;
24     cout << "Enter Price : ";
25     cin >> PR1;
26     cout << "Enter Quantity : ";
27     cin >> Q1;
28     cout << "Enter product : ";
29     cin >> P2;
30     cout << "Enter Price : ";
31     cin >> PR2;
32     cout << "Enter Quantity : ";
33     cin >> Q2;
34     cout << "Enter product : ";
35     cin >> P3;
36     cout << "Enter Price : ";
37     cin >> PR3;
38     cout << "Enter Quantity : ";
39     cin >> Q3;
40
41     //Formula
42     t_price = (Q1 * PR1+TAX) + (Q2 * PR2+TAX) + (Q3 * PR3+TAX);
43     VAT = (PR1 * TAX) + (PR2 * TAX) + (PR3 * TAX);
44
45     cout.setf(ios::fixed);
46     cout.setf(ios::showpoint);
47     cout.precision(2);
48
49 }
```

```
File Edit Selection View Go Run Terminal Help
PoSBakup.cpp - Visual Studio Code
C:\Users\63997> Downloads > LPU > CPE - LAB > Activities > PoSBakup.cpp > main(void)
49 cout.setf(ios::fixed);
50 cout.setf(ios::showpoint);
51 cout.precision(2);
52
53 //OUTPUT DISPLAY 1
54 cout << "===== " << endl;
55 cout << "Name : Mike Luis Villegas" << endl;
56 cout << "Product Name : Malvar" << endl;
57 cout << "Price : 121" << endl;
58 cout << "Quantity : 1" << endl;
59 cout << "===== " << endl;
60 cout << "Store Name : Bough Gart" << endl;
61 cout << "Date : 9/14/21" << endl;
62 cout << "===== " << endl;
63 cout << "===== " << endl;
64 cout << "===== " << endl;
65 cout << "===== " << endl;
66 cout << "===== " << endl;
67 cout << "===== " << endl;
68 cout << "===== " << endl;
69
70 //OUTPUT DISPLAY 2
71 cout << "Name : " << Cname << endl;
72 cout << "Product Name : " << P1 << endl;
73 cout << "Product ID : 121" << endl;
74 cout << "Price : " << PR1 << endl;
75 cout << "Quantity : " << Q1 << endl;
76 cout << "Product Name : " << P2 << endl;
77 cout << "Product ID : 122" << endl;
78 cout << "Price : " << PR2 << endl;
79 cout << "Quantity : " << Q2 << endl;
80 cout << "Product Name : " << P3 << endl;
81 cout << "Product ID : 123" << endl;
82 cout << "Price : " << PR3 << endl;
83 cout << "Quantity : " << Q3 << endl;
84 cout << "===== " << endl;
85 cout << "VAT (12%)" << endl;
86 cout << "Total Amount : " << t_price << endl;
87
88 cout << "Thank you for your purchase!" << endl;
89
90 cout << "===== " << endl;
91
92 return 0;
93
94
95
96 }
```

B. Sample Input/Output



```

//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 : ";

```

III. PROGRAM SOURCE 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);

//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/>

