

Prelim Exam	
Skills Assessment 2025	
<b>Course Code:</b> CPE007	<b>Program:</b> Computer Engineering
<b>Course Title:</b> Programming Logic and Design	<b>Date Performed:</b> September 2, 2025
<b>Section:</b> CPE11S1	<b>Date Submitted:</b> September 2, 2025
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<b>Pseudo Code</b>	
<p>Start</p> <p>int order, x1, x2  int order1_amount = 0  int order2_amount = 0  int Iced_Cof = 5  int Hot_Cof = 50  int Total_Sales = 0</p> <p>Output Iced Coffee == ₱55  Output Hot Coffee == ₱50</p> <p>Input order</p> <p>While order &lt; 5</p> <p>if order 1  output confirmation  add 1 to order1_amount  return to step 5</p> <p>if order 2  output confirmation  add 1 to order2_amount  return to step 5</p> <p>if order 3  x1 = order1_amount * Iced_Cof  x2 = order2_amount * Hot_Cof  Total_Sales = x1 + x2  Output Total_Sales  return to step 5</p>	

if order 4

Total\_Sales = 0

order1\_amount = 0

order2\_amount = 0

x1 = 0

x2 = 0

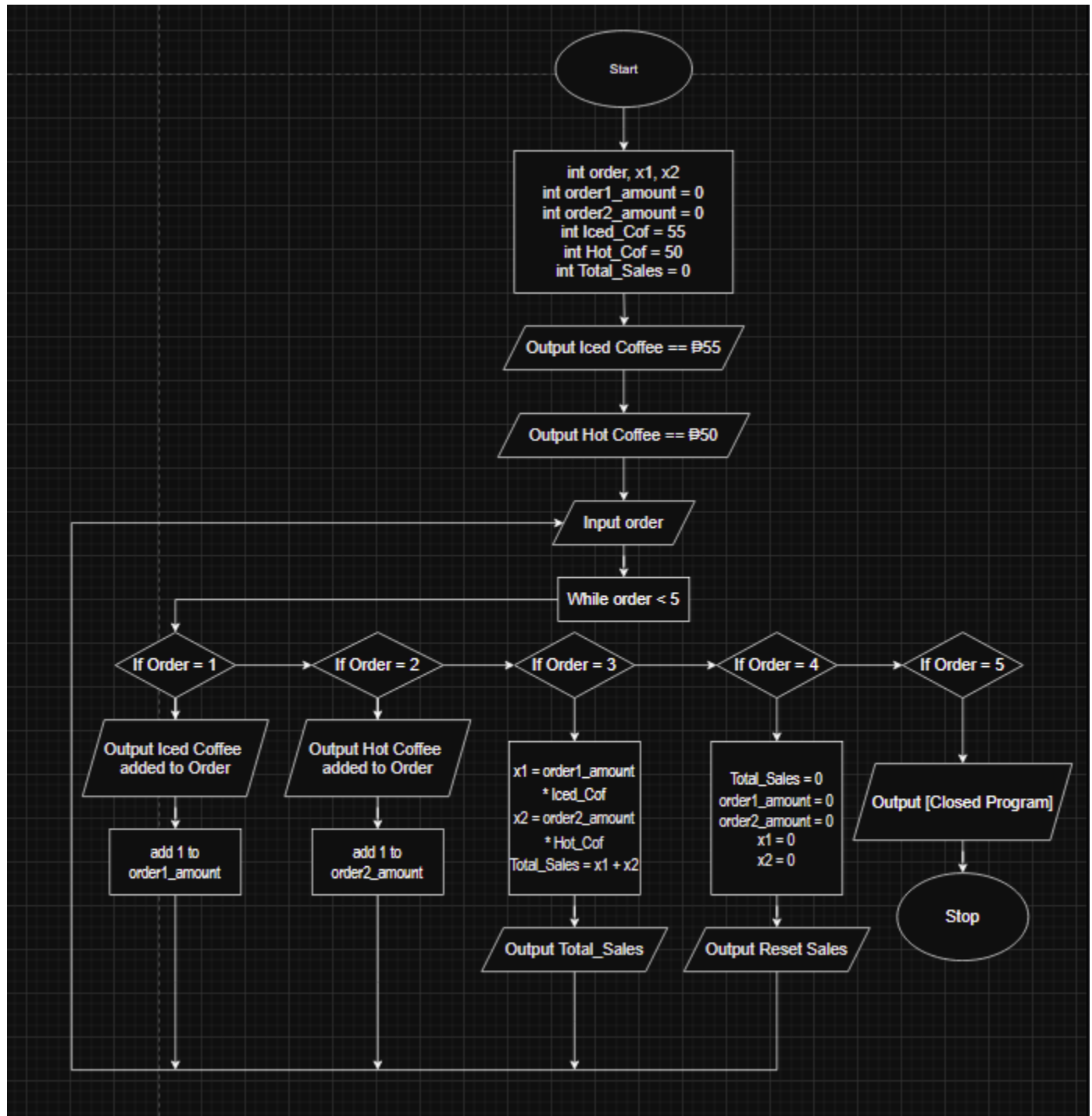
return to step 5

if order = 5

output [Closed Program]

stop

## Flow Chart



## Code

```
#include <iostream>
using namespace std;

int main() {

    int order, x1, x2;
    int order1_amount = 0;
    int order2_amount = 0;
    int Iced_Cof = 55;
    int Hot_Cof = 50;
    int Total_Sales = 0;

    cout << "[-----]\n";
    cout << "[---  Iced Coffee = ₱55  ---]\n";
    cout << "[---  Hot Coffee = ₱50  ---]\n";
    cout << "[-----]\n";

    cout << "Hello! What would you like to order? (1 or 2)\n";
    cout << "(3 for Checkout, 4 to reset order, 5 to close): ";
    cin >> order;

    while (order < 5) {

        switch (order) {
            case 1: ;
                cout << "Iced Coffee added to Order.\n";
                order1_amount++;
                break;
            case 2: ;
                cout << "Hot Coffee added to Order.\n";
                order2_amount++;
                break;
            case 3: ;
                x1 = order1_amount * Iced_Cof;
                x2 = order2_amount * Hot_Cof;
                Total_Sales = x1 + x2;
                cout << "Your total would be: " << Total_Sales << endl;
                order1_amount++;
                break;
            case 4: ;
                Total_Sales = 0;
                order1_amount = 0;
                order2_amount = 0;
                x1 = 0;
                x2 = 0;
                cout << "Reseted Total\n";
                break;
        }
    }
```

```
    cout << "What else would you like to add? (4 to reset, 5 to close): ";
    cin >> order;

}

if (order == 5){
    cout << "[Closing Program]";
}

return 0;
}
```

## Output

```
Output
[-----]
[---      Iced Coffee = ₱55      ---]
[---      Hot Coffee = ₱50      ---]
[-----]
Hello! What would you like to order? (1 or 2)
(3 for Checkout, 4 to reset order, 5 to close): 1
Iced Coffee added to Order.
What else would you like to add? (4 to reset, 5 to close): 2
Hot Coffee added to Order.
What else would you like to add? (4 to reset, 5 to close): 3
Your total would be: 105
What else would you like to add? (4 to reset, 5 to close): 4
Reseted Total
What else would you like to add? (4 to reset, 5 to close): 1
Iced Coffee added to Order.
What else would you like to add? (4 to reset, 5 to close): 3
Your total would be: 55
What else would you like to add? (4 to reset, 5 to close): 5
[Closing Program]

=== Code Execution Successful ===
```