Prelim Exam	
Skills Assessment 2025	
Course Code: CPE007	**Program:** Computer Engineering
Course Title: Programming Logic and Design	**Date Performed: 9/2**
Section: CPE11S1	**Date Submitted: 9/2**
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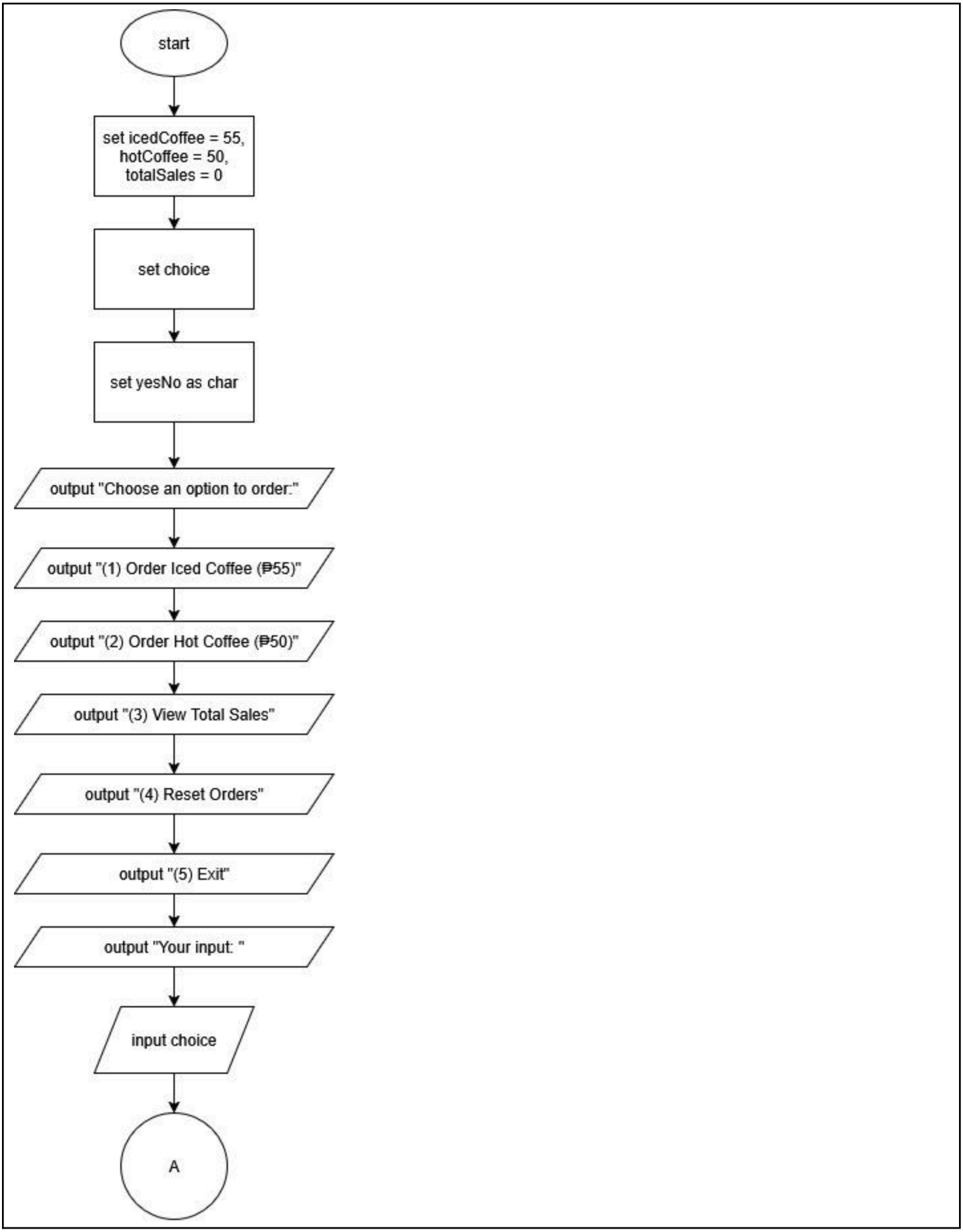
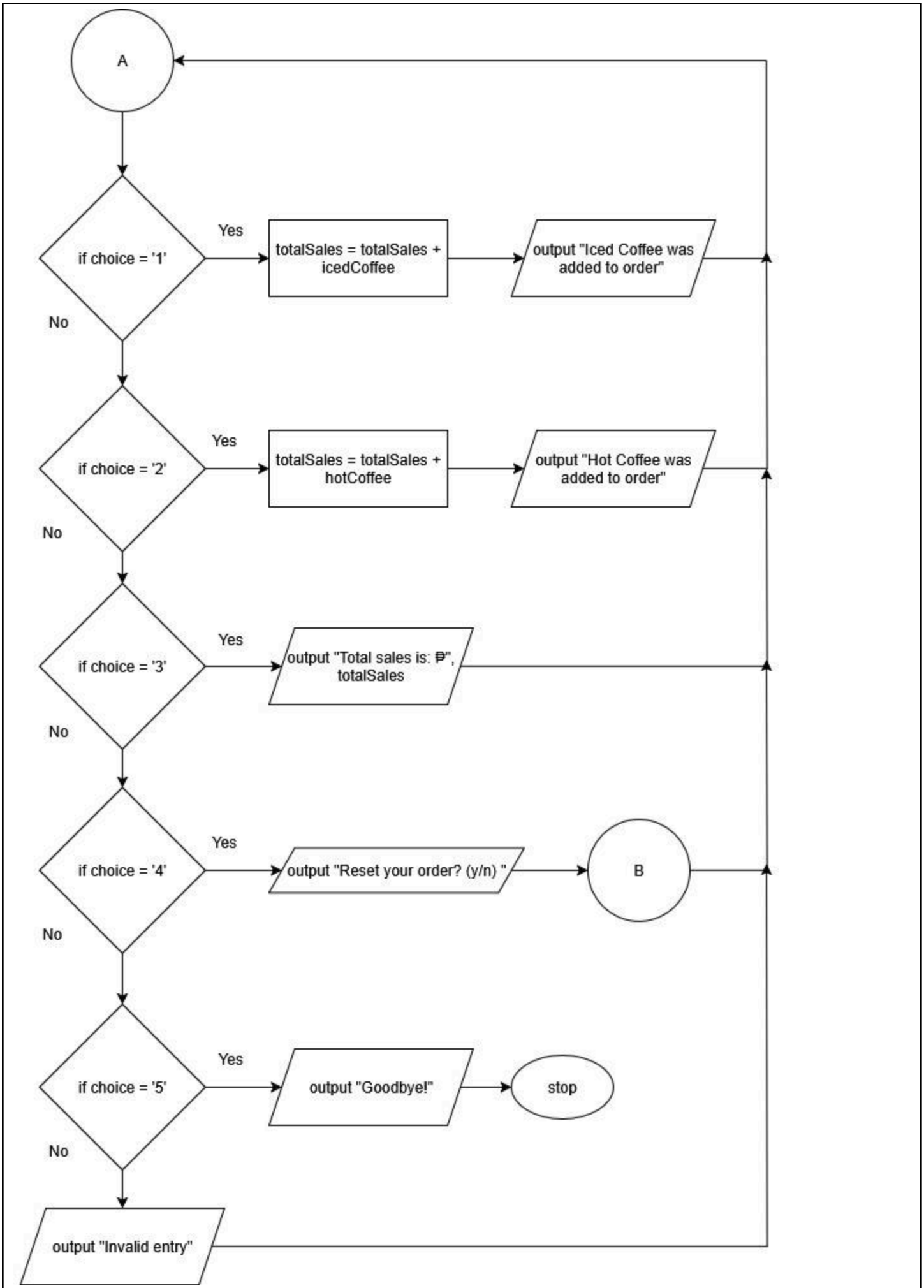
Pseudo Code

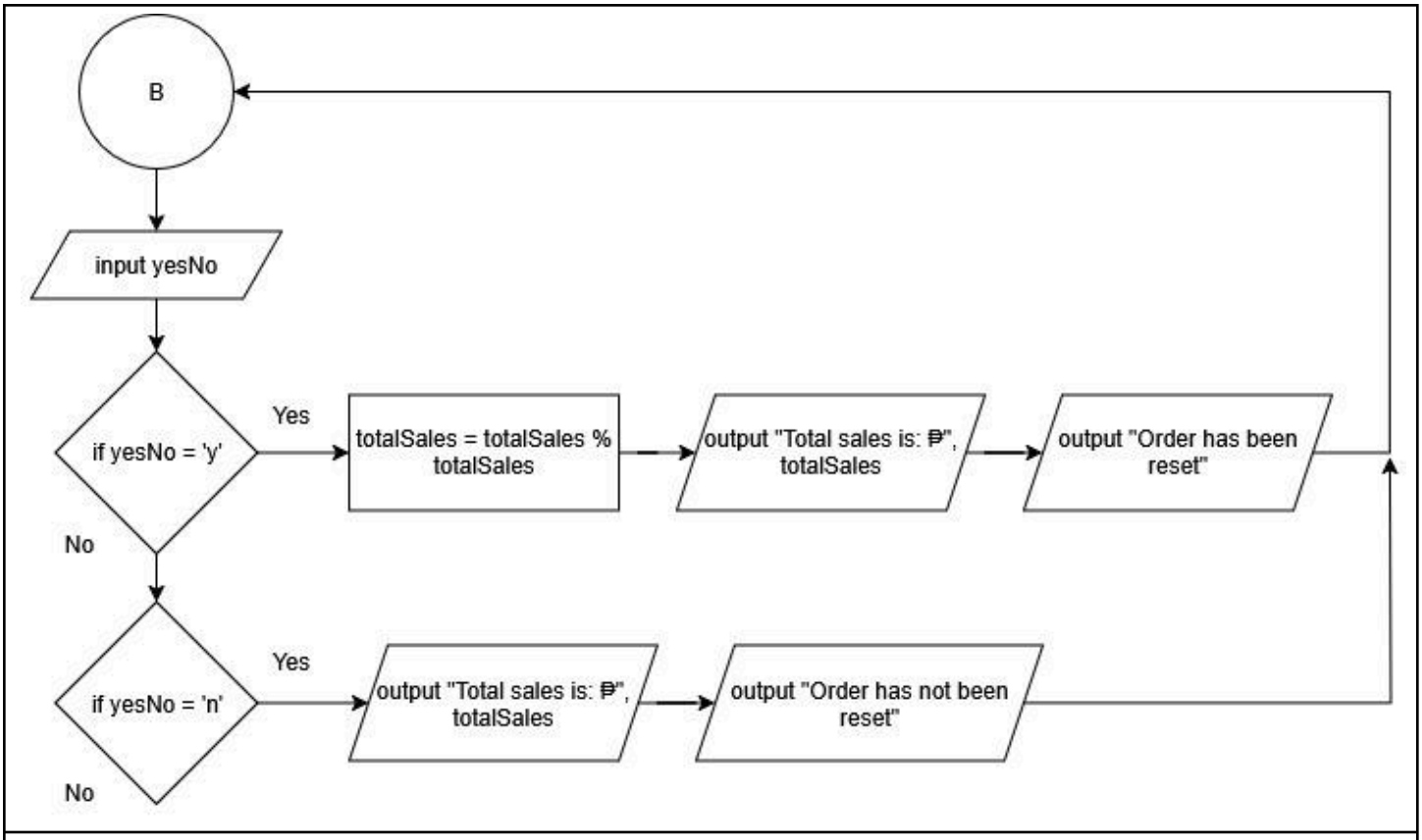
```
start
   set icedCoffee = 55, hotCoffee = 50, totalSales = 0
   set choice
   set yesNo as char

   while choice != 5
      output "Choose an option to order:"
      output "(1) Order Iced Coffee (₱55)"
      output "(2) Order Hot Coffee (₱50)\"
      output "(3) View Total Sales"
      output "(4) Reset Orders"
      output "(5) Exit"
      output "Your input: "
      input choice

      switch choice
         case 1
            process totalSales = totalSales + icedCoffee
            output "Iced Coffee was added to order"
            break
         case 2
            process totalSales = totalSales + hotCoffee
            output "Hot Coffee was added to order"
            break;
         case 3
            output "Total sales is: ₱", totalSales
            break;
         case 4
            output "Reset your order? (y/n) "
            set yesNo as char
            input yesNo
               switch yesNo
               case 'y'
                  process totalSales = totalSales % totalSales
                  output "Total sales is: ₱", totalSales
                  output "Order has been reset"
                  break
               case 'n'
                  output "Total sales is: ₱", totalSales
                  output "Order has not been reset
                  break
```

```
                default
                    output "Invalid entry
                    break
            break
        case 5
            output "Goodbye!"
            break
            stop (through return 0;)
        default:
            output "Invalid entry"
stop
```

Flow Chart


start
set icedCoffee = 55,
hotCoffee = 50,
totalSales = 0
set choice
set yesNo as char
output "Choose an option to order:"
output "(1) Order Iced Coffee (₱55)"
output "(2) Order Hot Coffee (₱50)"
output "(3) View Total Sales"
output "(4) Reset Orders"
output "(5) Exit"
output "Your input: "
input choice
A


A
if choice = '1'
Yes
totalSales = totalSales + icedCoffee
output "Iced Coffee was added to order"
No
if choice = '2'
Yes
totalSales = totalSales + hotCoffee
output "Hot Coffee was added to order"
No
if choice = '3'
Yes
output "Total sales is: ₱", totalSales
No
if choice = '4'
Yes
output "Reset your order? (y/n) "
B
No
if choice = '5'
Yes
output "Goodbye!"
stop
No
output "Invalid entry"


B
input yesNo
if yesNo = 'y'
Yes
totalSales = totalSales % totalSales
output "Total sales is: ₱", totalSales
output "Order has been reset"
No
if yesNo = 'n'
Yes
output "Total sales is: ₱", totalSales
output "Order has not been reset"
No

Code

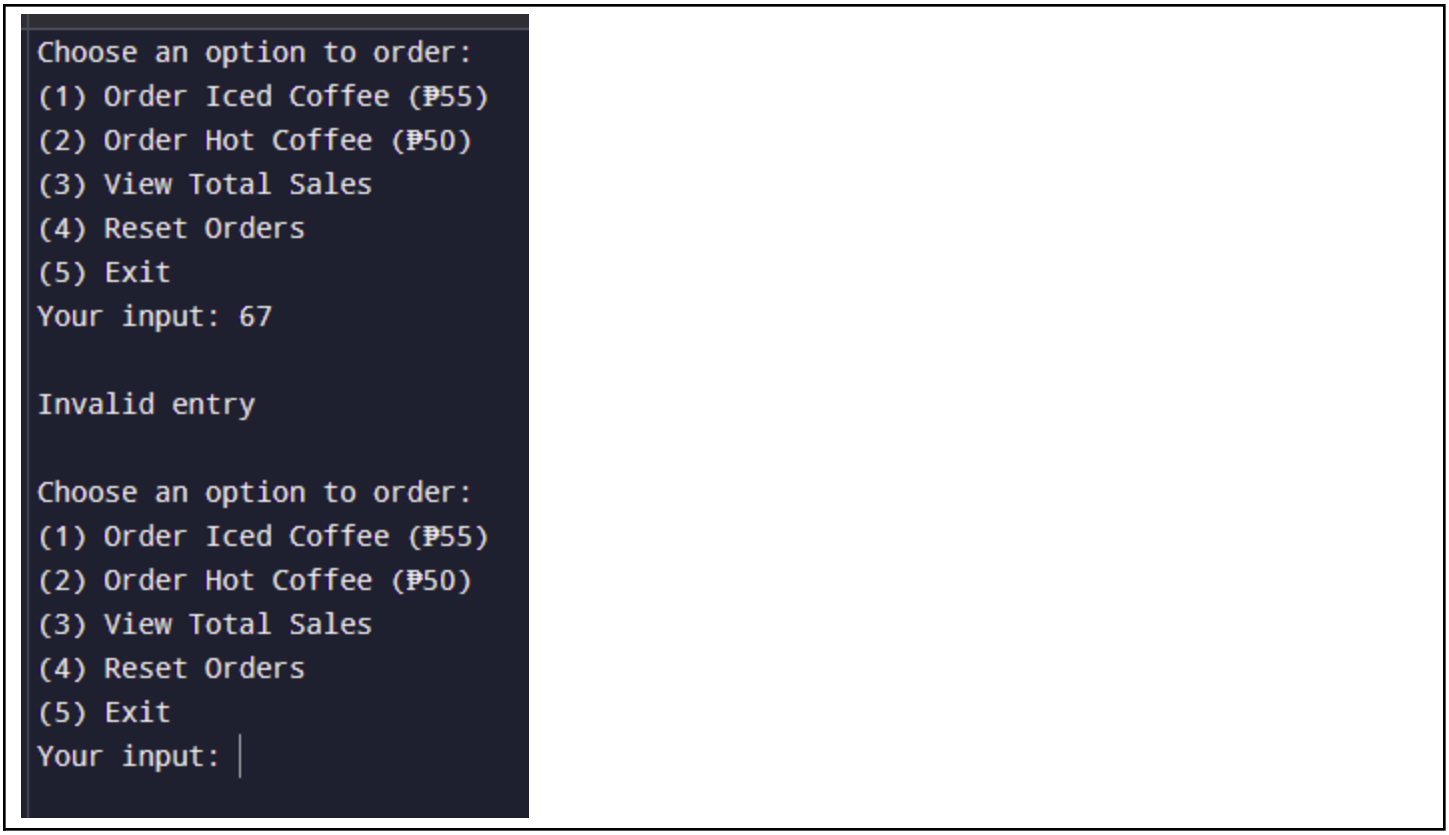
```cpp
#include <iostream>
using namespace std;
int main(){
    int icedCoffee = 55, hotCoffee = 50, totalSales = 0;
    int  choice;
    char yesNo;

    while (choice != 5){
        cout << "Choose an option to order:\n";
        cout << "(1) Order Iced Coffee (₱55)\n";
        cout << "(2) Order Hot Coffee (₱50)\n";
        cout << "(3) View Total Sales\n";
        cout << "(4) Reset Orders\n";
        cout << "(5) Exit\n";
        cout << "Your input: ";
        cin >> choice;
        cout << "\n";

        switch (choice){
            case 1:
                totalSales = totalSales + icedCoffee;
                cout << "Iced Coffee was added to order\n" << endl;
                break;
            case 2:
                totalSales = totalSales + hotCoffee;
                cout << "Hot Coffee was added to order\n" << endl;
                break;
            case 3:
                cout << "Total sales is: ₱" << totalSales << "\n" << endl;;
                break;
            case 4:
                cout << "Reset your order? (y/n) ";
                char (yesNo);
                cin >> yesNo;
                    switch (yesNo){
                    case 'y':
```

```
                        totalSales = totalSales % totalSales;
                        cout << "\nTotal sales is: ₱" << totalSales << endl;
                        cout << "Order has been reset\n" << endl;
                        break;
                    case 'n':
                        cout << "\nTotal sales is: ₱" << totalSales << endl;
                        cout << "Order has not been reset\n" << endl;
                        break;
                    default:
                        cout << "Invalid entry\n" << endl;
                        break;
                    }
                break;
            case 5:
                cout << "Goodbye!";
                return 0;
            default:
                cout << "Invalid entry\n" << endl;
        }
    }
    return 0;
}
```

Output

```
Choose an option to order:
(1) Order Iced Coffee (₱55)
(2) Order Hot Coffee (₱50)
(3) View Total Sales
(4) Reset Orders
(5) Exit
Your input: 1

Iced Coffee was added to order

Choose an option to order:
(1) Order Iced Coffee (₱55)
(2) Order Hot Coffee (₱50)
(3) View Total Sales
(4) Reset Orders
(5) Exit
Your input: 2

Hot Coffee was added to order

Choose an option to order:
(1) Order Iced Coffee (₱55)
(2) Order Hot Coffee (₱50)
(3) View Total Sales
(4) Reset Orders
(5) Exit
Your input: 3

Total sales is: ₱105

Choose an option to order:
(1) Order Iced Coffee (₱55)
(2) Order Hot Coffee (₱50)
(3) View Total Sales
(4) Reset Orders
(5) Exit
```

```
Choose an option to order:
(1) Order Iced Coffee (₱55)
(2) Order Hot Coffee (₱50)
(3) View Total Sales
(4) Reset Orders
(5) Exit
Your input: 4

Reset your order? (y/n) n

Total sales is: ₱105
Order has not been reset

Choose an option to order:
(1) Order Iced Coffee (₱55)
(2) Order Hot Coffee (₱50)
(3) View Total Sales
(4) Reset Orders
(5) Exit
Your input: 4

Reset your order? (y/n) y

Total sales is: ₱0
Order has been reset

Choose an option to order:
(1) Order Iced Coffee (₱55)
(2) Order Hot Coffee (₱50)
(3) View Total Sales
(4) Reset Orders
(5) Exit
Your input: 5

Goodbye!
```


Choose an option to order:
(1) Order Iced Coffee (₱55)
(2) Order Hot Coffee (₱50)
(3) View Total Sales
(4) Reset Orders
(5) Exit
Your input: 67
Invalid entry
Choose an option to order:
(1) Order Iced Coffee (₱55)
(2) Order Hot Coffee (₱50)
(3) View Total Sales
(4) Reset Orders
(5) Exit
Your input:

Raw code:

```
#include <iostream>
using namespace std;
int main(){
   int icedCoffee = 55, hotCoffee = 50, totalSales = 0;
   int  choice;
   char yesNo;

   while (choice != 5){
      cout << "Choose an option to order:\n";
      cout << "(1) Order Iced Coffee (₱55)\n";
      cout << "(2) Order Hot Coffee (₱50)\n";
      cout << "(3) View Total Sales\n";
      cout << "(4) Reset Orders\n";
      cout << "(5) Exit\n";
      cout << "Your input: ";
      cin >> choice;
      cout << "\n";

      switch (choice){
         case 1:
            totalSales = totalSales + icedCoffee;
            cout << "Iced Coffee was added to order\n" << endl;
            break;
         case 2:
            totalSales = totalSales + hotCoffee;
            cout << "Hot Coffee was added to order\n" << endl;
            break;
         case 3:
            cout << "Total sales is: ₱" << totalSales << "\n" << endl;;
            break;
         case 4:
            cout << "Reset your order? (y/n) ";
            char (yesNo);
            cin >> yesNo;
               switch (yesNo){
               case 'y':
                  totalSales = totalSales % totalSales;
                  cout << "\nTotal sales is: ₱" << totalSales << endl;
                  cout << "Order has been reset\n" << endl;
                  break;
               case 'n':
                  cout << "\nTotal sales is: ₱" << totalSales << endl;
                  cout << "Order has not been reset\n" << endl;
                  break;
               default:
                  cout << "Invalid entry\n" << endl;
                  break;
               }
            break;
         case 5:
            cout << "Goodbye!";
```

```
            return 0;
        default:
            cout << "Invalid entry\n" << endl;
      }
   }
   return 0;
}
```