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**Department:** CS

**Section:** 2I

**Assignment no:** 2

# **Q1- Restaurant Management System**

**Code:**

**#include <iostream>**

**#include <string>**

**#include <windows.h>**

**using namespace std;**

**int main()**

**{**

**system("Color FC");**

**string items[4] = {**

**"1. Hamburger: $4.50", "2. Cheeseburger: $5.00", "3. French fries: $2.50", "4. Soft drink: $1.50"};**

**int count = 0;**

**int order = 0;**

**int quantity = 0;**

**float total = 0;**

**do**

**{**

**if (count == 0)**

**{**

**cout << "Welcome to the restaurant! Here is the menu: " << endl;**

**for (int i = 0; i < 4; i++)**

**{**

**cout << items[i] << endl;**

**}**

**cout << "Please enter the number of the item you would like to order: ";**

**cin >> order;**

**cout << "Enter the quantity: ";**

**cin >> quantity;**

**switch (order)**

**{**

**case 1:**

**total += 4.50 \* quantity;**

**cout << "You have ordered " << quantity << " Hamburger(s). " << endl;**

**break;**

**case 2:**

**total += 5.00 \* quantity;**

**cout << "You have ordered " << quantity << " Cheeseburger(s). " << endl;**

**break;**

**case 3:**

**total += 2.50 \* quantity;**

**cout << "You have ordered " << quantity << " French fries. " << endl;**

**break;**

**case 4:**

**total += 1.50 \* quantity;**

**cout << "You have ordered " << quantity << " Soft drink(s). " << endl;**

**break;**

**default:**

**cout << "Invalid input. Please enter a number between 1 and 4." << endl;**

**continue;**

**}**

**cout << "Current total: $" << total << endl;**

**count++;**

**}**

**else**

**{**

**cout << "Would you like to order more items? (y/n): ";**

**string answer;**

**cin >> answer;**

**if (answer == "n" || answer == "N")**

**{**

**cout << "Thank you for your order! Here is your total: $" << total << endl;**

**break;**

**}**

**else if (answer == "y" || answer == "Y")**

**{**

**cout << "Here is the menu: " << endl;**

**for (int i = 0; i < 4; i++)**

**{**

**cout << items[i] << endl;**

**}**

**cout << "Please enter the number of the item you would like to order: ";**

**cin >> order;**

**cout << "Enter the quantity: ";**

**cin >> quantity;**

**switch (order)**

**{**

**case 1:**

**total += 4.50 \* quantity;**

**cout << "You have ordered " << quantity << " Hamburger(s). " << endl;**

**break;**

**case 2:**

**total += 5.00 \* quantity;**

**cout << "You have ordered " << quantity << " Cheeseburger(s). " << endl;**

**break;**

**case 3:**

**total += 2.50 \* quantity;**

**cout << "You have ordered " << quantity << " French fries. " << endl;**

**break;**

**case 4:**

**total += 1.50 \* quantity;**

**cout << "You have ordered " << quantity << " Soft drink(s). " << endl;**

**break;**

**default:**

**cout << "Invalid input. Please enter a number between 1 and 4." << endl;**

**continue;**

**}**

**cout << "Current total: $" << total << endl;**

**}**

**else**

**{**

**cout << "Invalid input. Please enter y or n." << endl;**

**}**

**}**

**} while (true);**

**return 0;**

**}**

**Output:**

