

Credit Name: CSE 2nd Language Programming Credit  
Assignment Name: #10 Order Assignment

How has your program changed from planning to coding to now? Please explain?:

I planned for adding the prices of the burgers, fries, sodas and letting the user input what they want in the menu and add the total amount with tax and making the program calculate the change due, but coding now it changed from me needing to make a variable for tax to add the total amount by making the value 0.065 instead of 6.5 and (\*) with the amount. Then using another variable to hold that amount so I could program it to the next part where it needs to calculate the change due.

```
import java.util.Scanner;

public class Order
{
    public static void main(String[] args)
    {
        Scanner scanner = new Scanner(System.in);

        // Prices
        double burgerPrice = 1.69;
        double friesPrice = 1.09;
        double sodaPrice = 0.99;

        // Input: Number of items ordered
        System.out.print("Enter the number of Burgers: ");
        int numBurgers = scanner.nextInt();

        System.out.print("Enter the number of Fries: ");
        int numFries = scanner.nextInt();

        System.out.print("Enter the number of Sodas: ");
        int numSodas = scanner.nextInt();

        // Calculate total cost before tax
        double subtotal = (numBurgers * burgerPrice) + (numFries * friesPrice) + (numSodas * sodaPrice);
```

I need to make a menu for the user with the prices displayed so I programmed the price of burgers, fries, and sodas by putting in their values.

```

// Calculate tax (6.5%)
double taxRate = 0.065;
double tax = subtotal * taxRate;

// Calculate final cost
double totalCost = subtotal + tax;

// Output: Display the total, tax, and final cost
System.out.println("Total before tax: $" + String.format("%.2f", subtotal));
System.out.println("Tax (6.5%): $" + String.format("%.2f", tax));
System.out.println("Final cost: $" + String.format("%.2f", totalCost));

// Part b) Input: Amount tendered
System.out.print("Enter the amount tendered: $");
double amountTendered = scanner.nextDouble();

// Calculate change due
double changeDue = amountTendered - totalCost;

// Output: Display the change due
System.out.println("Change due: $" + String.format("%.2f", changeDue));

scanner.close();
}
}

```

I need to also add the tax with the total amount and calculate the change due for the employees so I input the value of the tax and added the two variables "subtotal + taxRate," then it'll display the total, tax, and final cost. After the user has paid it will collect the amount tendered and minus the total cost and display the change due for the employee to give the user their change.