ReflectionLog: LunchOrder

Youdis

Food Class

```
//creating variables to record food's price, fat, carbohydrates, fiber.
private double price, fat, carbs, fiber;

//constructor method which how much of the item the user wants, it's price, fat, carbohydrates, and fiber as parameters and uses
public Food( double foodPrice, double foodFat, double foodCarbs, double foodFiber ){
    price = foodPrice;
    fat = foodFat;
    carbs = foodCarbs;
    fiber = foodFiber;
}
```

Declaring variables that will store price, fat, carbohydrates, and fibers of a food object. Then initializing these variables in the constructor method by assigning each variable the value of its correspondingly named parameter's value that the user will enter.

```
//method returns fat value of object
public double showFat() {
    return fat;
}

//method returns carbohydrates value of object
public double showCarbs() {
    return carbs;
}
//method returns fiber value of object
public double showFiber() {
    return fiber;
}
//method returns price value of object
public double showPrice() {
    return price;
}
```

]

4 show/accessor method that will each return the variable that corresponds to their name(fat, carbs, fiber, or price) to the location where the user calls it.

LunchOrder

```
//creating new Scanner and DecimalFormat objects
Scanner input = new Scanner(System.in);
DecimalFormat formatter = new DecimalFormat("#.##");
//creating food object for each of the for food items
Food hamburger = new Food(1.85, 9, 33, 1);
Food salad = new Food(2.00, 1, 11, 5);
Food frenchFries = new Food(1.30, 11, 36, 4);
Food soda = new Food(0.95, 0, 38, 0);
```

Creating new Scanner, DecimalFormat, and Food objects. For recording user inputs, rounding the price of total order to the second decimal place, and to display the nutritional values of each food item as well as calculating the price of the order.

```
//Variable that will store price of the order
double orderTotal = 0;
```

Variable which will store the total price of the user's order, which will then be displayed later on at the end.

```
//prompting user for how many hamburger they want, then multiplying that number by price of a hamburger and adding that produc
System.out.print("Enter number of hamburgers: ");
orderTotal += (hamburger.showPrice()*input.nextInt());
System.out.println("Each hamburger has " + hamburger.showFat() +"g of fat, "+hamburger.showCarbs() +"g of carbs, and "+ hambur
System.out.println("");
//prompting user for how many salads they want, then multiplying that number by price of a salad and adding that product to or
System.out.print("Enter number of salads: ");
orderTotal += (salad.showPrice()*input.nextInt());
System.out.println("Each salad has " + salad.showFat() +"g of fat, "+salad.showCarbs() +"g of carbs, and "+ salad.showFiber()+
System.out.println("");
//prompting user for how many French fries they want, then multiplying that number by price of French fries and adding that pr
System.out.print("Enter number of french fries: ");
orderTotal += (frenchFries.showPrice()*input.nextInt());
System.out.println("French fries have " + frenchFries.showFat() +"g of fat, "+frenchFries.showCarbs() +"g of carbs, and "+ fre
System.out.println("");
//prompting user for how many sodas they want, then multiplying that number by price of a soda and adding that product to orde
System.out.print("Enter number of sodas: ");
orderTotal += (soda.showPrice()*input.nextInt());
System.out.println("Each soda has " + soda.showFat() +"g of fat, "+soda.showCarbs() +"g of carbs, and "+ soda.showFiber()+"g o
System.out.println("");
```

Prompts users for how many hamburgers, salads, french fries, and sodas they want in that order. After they enter how much they want for an item it will then multiply that item's price by how many they wanted and add that product to the order total. Then it will display the item's nutritional contents. It will do this for each of the 4 items.

```
//outputting total of user's order as the value of orderTotal
System.out.println("Your order comes to: $" + formatter.format(orderTotal));
```

Will display the total of order by outputting the variable made before which has been recording the price the user spent on each item.