```java
 1 package U3.lab;
 2 // Name: Nikhil Nunna
 3 // Teacher: DeSteph
 4 // Period: 2
 5 public class Order {
 6     private String currentOrder;
 7     private double subtotal;
 8     private String nameCustomer;
 9     private boolean discount;
10     private double discountPercent;
11     private double taxRate;
12     final double BURGER_COST = 10.99;
13     final double SALAD_COST = 6.99;
14     final double PIZZA_COST = 12.99;
15     final double PASTA_COST = 8.99;
16     public Order(String nameCustomer, double taxRate
   ){
17         this.taxRate = taxRate;
18         this.nameCustomer = nameCustomer;
19         this.discount = false;
20         this.discountPercent = 0.0;
21         this.currentOrder = "";
22         subtotal = 0;
23     }
24
25     public Order(String nameCustomer,double taxRate,
   double discountPercent) {
26         this.taxRate = taxRate;
27         this.nameCustomer = nameCustomer;
28         this.discount = true;
29         this.discountPercent = discountPercent;
30         this.currentOrder = "";
31         subtotal = 0;
32     }
33     public void addItem(String item, int quantity){
34         boolean onMenu = false;
35         if ((item.toLowerCase().equals("burger"
   )) && (quantity > 0)){
36             onMenu = true;
37             this.currentOrder += "\nOrdered " +
   quantity + " Burgers(s)";
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38          subtotal += BURGER_COST * quantity;
39        }
40        else if ((item.toLowerCase().equals("salad")) && (quantity > 0)){
41            onMenu = true;
42            this.currentOrder += "\nOrdered " + quantity + " Salad(s)";
43            subtotal += SALAD_COST * quantity;
44        }
45        else if ((item.toLowerCase().equals("pizza")) && (quantity > 0)){
46            onMenu = true;
47            this.currentOrder += "\nOrdered " + quantity + " Pizza(s)";
48            subtotal += PIZZA_COST * quantity;
49        }
50        else if ((item.toLowerCase().equals("pasta")) && (quantity > 0)){
51            onMenu = true;
52            this.currentOrder += "\nOrdered " + quantity + " Pasta(s)";
53            subtotal += PASTA_COST * quantity;
54        }
55        if (quantity <= 0){
56            this.currentOrder += "\nSorry " + item + " quantity must be greater than 0.";
57        }
58        else if (!onMenu){
59            this.currentOrder += "\nSorry, " + item + " is not on the menu.";
60        }
61    }
62    public String toString(){
63        String output = "";
64        output += "------ " + this.nameCustomer + " ------";
65        output += "\n" + this.currentOrder + "\n";
66        output += "Subtotal:\t\t" + subtotal + "\n";
67        if (discount){
68            output += "\tDiscount:\t" + (discountPercent*100) + "%" + "\n";
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69            output += "\tYou saved:   " + (
   discountPercent * subtotal) + "\n";
70              subtotal -= discountPercent * subtotal;
71          }
72          double tax = (subtotal * taxRate);
73          output += "Tax\t(8.0%):\t\t" + tax + "\n";
74          output += "Total:\t\t\t" + (subtotal + tax
   ) + "\n";
75          output += "-------------------------";
76          output += "\n\n\n";
77          return output;
78      }
79 }
80
```