Revision Tue:

FoodBasket is a generous company and likes to give gifts to its frequent customers. As a new discount strategy, the system selects two orders, and if the orders were made by the same customer, the system applies a 20% discount on the second order. For this functionality, please make the following changes to your code:

1) Declare a reference to a **User** instance in the **Order** class (for the person making this order), and add its accessor and mutator methods to this class.
2) Modify `addNewOrder` method of the **User** class so that it sets the User instance of the order.
3) Add a new function to the given **FoodBasket_revisionTUE** class named "`surprise`". This function should accept two order objects, compare them using the `equals()` function of the **Order** class, and make necessary changes on the second order (second in the parameter list) if the discount will be applied. (Hint: applying the discount could be signified by a new boolean variable in the **Order** class)
4) Make necessary changes in the `checkout()` function of the **Order** class, so that it calculates the correct discounted amount when it is called.
5) Make additional changes in your **Order**, **User**, and **Food** classes, if necessary.
6) The main method is given in the FoodBasket_revisionTUE.java file. Please run this class for demonstration.

Here is an example test snippet and output of this functionality:

```
user1.addNewOrder(order1);
user1.addNewOrder(order2);

order2.checkout();
System.out.print(order2);

surprise(order1, order2);

order1.checkout();
order2.checkout();

System.out.print(order1);
System.out.print(order2);
**********************************************************************
Adding a new order of Pizza to Vedat Milor... //addNewOrder
Adding a new order of Manti to Vedat Milor...

Details for Order 1: //print-out
        Manti(x 4.0)
        TOTAL = 800.0

//surprise:
This is a lucky day for Vedat Milor! A discount of 20% will be applied to the second order.

Applying surprise discount of 20%... //checkout()

Details for Order 0:
        Pizza(x 3.0)
        TOTAL = 150.0

Details for Order 1:
        Manti(x 4.0)
        TOTAL = 640.0
```