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import java.text.NumberFormat;
import java.util.ArrayList;
public class Order
        // class variables
        private String orderID;
        private Customer orderCustomer;
        private Clerk orderClerk;
        private ArrayList<LineItem> lineItems;
        // store totals
        private double subtotal;
        private double tax;
        private double total;
        // constant defining tax
        private static double TAX RATE = 0.0825;
        private int productCount;
        public Order(String anID)
                lineItems = new ArrayList<LineItem>();
                orderID = anID;
                subtotal = 0;
                tax = 0;
                total = 0;
        }
        public void setOrderID(String anID)
                orderID = anID;
        }
        public void setOrderCustomer(Customer aCustomer)
                orderCustomer = aCustomer;
        }
        public void setOrderClerk(Clerk aClerk)
                orderClerk = aClerk;
        }
        public void setOrderProduct(Product aProduct, int aQty)
        {
                productCount++;
                LineItem aLineItem = new LineItem(aProduct, aQty);
                lineItems.add(aLineItem);
                // TODO
                // Write the code to create a new line item
                // based on the variables aProduct and aQty that are passed
                // add that line item to the LineItems arraylist
        }
        public String getOrderProduct(int iLine)
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LineItem selectedItem = lineItems.get(iLine);
        String result = selectedItem.getJvzProduct().getDescription();
        return result;
}
public int getOrderQuantity(int iLine)
        LineItem selectedItem = lineItems.get(iLine);
        int result = selectedItem.getJvzQuantity();
        return result;
}
public int getNumberOfLineItems()
        return lineItems.size();
}
public String getOrderID()
        return orderID;
public double calcSubtotal()
        for(int i = 0; i < lineItems.size(); i++)</pre>
                subtotal += lineItems.get(i).getJvzLineTotal();
        }
        // TODO
        // Write the code to calculate the subtotal for all items
        // Loop through the lineItems arraylist
        // add up the total from each line to the subtotal variable
        return subtotal;
}
public void calcTax()
        // calculate the tax by multiplying subtotal by tax rate
        tax = subtotal * TAX RATE;
}
public void calcTotal()
        // caltulates the total by adding subtotal and tax
        total = subtotal + tax;
}
public String toString()
        NumberFormat nf = NumberFormat.getCurrencyInstance();
        String result = "";
        result += "CASHIER @ REGISTER\n " + orderClerk.getFirstName() + " " + orderCle...
                        + orderClerk.getRegisterNbr() + "\n\n";
        result += "Order # " + orderID + "\n\n";
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result += "CUSTOMER INFO\n" + orderCustomer.toString() + "";
        result += "\nNUMBER OF ITEMS SOLD = " + getNumberItemsSold() + "\n\n";
        for (LineItem li : lineItems)
                result += li.getJvzQuantity() + " @ " + nf.format(li.getJvzProduct()...
                                + nf.format(li.getJvzQuantity() * li.getJvzProduct().g...
                result += "
                                " + li.getJvzProduct().getDescription() + "\n\n";
        }
        result += "TOTALS\n";
        result += "Subtotal: " + nf.format(subtotal) + "\n";
        result += "Tax: " + nf.format(tax) + "\n";
        result += "Total: " + nf.format(total);
        return result;
}
// Returns the number of items sold
public int getNumberItemsSold()
        int totalQty = 0;
        for (LineItem li : lineItems)
                totalQty += li.getJvzQuantity();
        }
        return totalQty;
}
public double getTotal()
        return total;
}
public double getSubTotal()
        return subtotal;
}
public double getTax()
        return tax;
}
public Customer getCustomer()
        return orderCustomer;
}
public double getLineTotal(int iLine)
        // Select the LineItem from the ArrayList
        LineItem selectedItem = lineItems.get(iLine);
        double LineTotal = 0;
        // Get the total for that item
        LineTotal = selectedItem.getJvzLineTotal();
        return LineTotal;
}
```

}