
//Rachel Friedman | February 27, 2020 | Data Structures 3130 | Assignment 3 | Widget.java

```
import java.text.NumberFormat;

public class Widget {
    public static int auto_id = 0;
    public int quantity;
    public int widgetID;
    public double price;

    public Widget(int quantity, double price) {
        auto_id++;
        this.widgetID = auto_id;
        this.quantity = quantity;
        this.price = price;
    }

    public void display() {
        NumberFormat nf = NumberFormat.getCurrencyInstance();
        System.out.println("Shipment " + widgetID + " | " + quantity + " widgets at " +
nf.format(price) + " each");
    }

    public int getQuantity() {
        return quantity;
    }

    public void updateQuantity(int new_quantity) {
        this.quantity = new_quantity;
    }

    public double getPrice() {
        return price;
    }

    public String toString() {
        NumberFormat nf = NumberFormat.getCurrencyInstance();
        return "Shipment " + widgetID + " | Quantity " + quantity + " | Price " + nf.format(price);
    }
}
```