Grinder.java

```java
/**
* This class lists out the characteristics of some of my favorite sandwiches.
*
* @author Kyle Guarco
*/
public class Grinder
{
    private String name;
    private String bread;

    private int calories;

    private double price;

    /**
    * Creates a simple grinder. Just imagine how it tastes.
    * @param name
    * @param bread The type of bread used for the grinder.
    * @param calories
    * @param price
    */
    public Grinder(String name, String bread, int calories, double price)
    {
        this.name = name;
        this.bread = bread;

        this.calories = calories;

        this.price = price;
    }

    /**
    * Creates a sandwich with italian bread, because it's my favorite bread.
    * @param name
    * @param calories
    * @param price
    */
    public Grinder(String name, int calories, double price)
    {
        this(name, "Italian Herbs and Cheese", calories, price);
    }

    @Override
    public String toString()
    {
        // The first string will print "Normal" or "Light"
        String weight = isLight() ? "Light" : "Normal";
        // The second string will print the name of the bread
```

```java
        return String.format("%s %s Grinder \"%s\": \n\tCalories: %d\n\tPrice: $%.2f",
                weight, getBread(), getName(), getCalories(), getPrice());
    }

    /**
     * @return Is the grinder light on the calorie scale?
     */
    public boolean isLight()
    {
        return getCalories() < 120;
    }

    public void setName(String name)
    {
        this.name = name;
    }

    public void setBread(String bread)
    {
        this.bread = bread;
    }

    public void setCalories(int calories)
    {
        this.calories = calories;
    }

    public void setPrice(double price)
    {
        this.price = price;
    }

    public String getName()
    {
        return name;
    }

    public String getBread()
    {
        return bread;
    }

    public int getCalories()
    {
        return calories;
    }

    public double getPrice()
    {
        return price;
    }
}
```

TestGrinder.java

```java
/**
* Makes a bunch of grinders. iT MAKES ME SO HUNGRY THAT I BROKE
* MY CAPS LOCK :(
*
* @author Kyle Guarco
*/
public class TestGrinder
{
    public static void main(String[] args)
    {
        Grinder plainHam = new Grinder("Plain Ham", 270, 2.75);
        Grinder muchHam = new Grinder("Lot$ o' H@m", 270*2, 2.75*2);
        Grinder pepperBread = new Grinder("Plain Ham", "Pepper Bread", 110,
1.50);

        System.out.println(plainHam.toString());
        System.out.println(muchHam.toString());
        System.out.println(pepperBread.toString());
    }
}
```

```
kyleg% java -jar bin/UserDefinedClass.jar
Normal Italian Herbs and Cheese Grinder "Plain Ham":
        Calories: 270
        Price: $2.75
Normal Italian Herbs and Cheese Grinder "Lot$ o' H@m":
        Calories: 540
        Price: $5.50
Light Pepper Bread Grinder "Plain Ham":
        Calories: 110
        Price: $1.50
kyleg% []
```

st