**Candle Shop**

Candles – Birthday candles, tea lights, pillars

Program – Name, Type, Number, Price, Burn Time

**Store Setup:**

Candle Object 1

* Name?
* Type?
* Price?
* Burn time?

Candle Object 2

* Name?
* Type?
* Price?
* Burn time?

Candle Object 3

* Name?
* Type?
* Price?
* Burn time?

**Purchase:**

Candle Object 1: Number of candles? – Integer Number

Candle Object 2: Number of candles? – Integer Number

Candle Object 3: Number of candles? – Integer Number

Calculate total number of candles

Divide total number of candles by 10 to get integer value of loyalty points earned

Calculate total price of all candles

Multiply each candle type by its respective cost

Add together all of the costs to get the total price of all the candles

If more than $20 but less than $35, deduct 5%

If more than $35 but less than $55, deduct 7%

If more than $55 but less than $100, deduct 10%

If more than $100, deduct 20%

Calculate total burn time

Multiply number of candles of each type by their respective burn time and add together those calculated burn times to get total burn time

Divide discounted total price by (total burn time in hours \* 60 (to get total burn time in minutes)) to get cost-per-minute

Output:

“Thank you for your purchase. Your order is as follows:

(Candle Object 1): Number of Candles (Respective number of symbols)

Price

(Candle Object 1): Number of Candles (Respective number of symbols)

Price

(Candle Object 1): Number of Candles (Respective number of symbols)

Price

Total Price

Discounted Price

Total Burn Time

(Discounted) Cost-per-minute

Loyalty Points Earned