Robert Myers

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Reflection

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In this experiment, I was able to leverage constants, formatting, data types, data streams and conditional statements. As I was developing this program I started to think about the ways that you could handle the receipt template rather than having to type it in every time. I started to build out a template – in my submitted work there is a string variable named invoice which has the header for the Crunchum business. There was a moment I had to stop and think about how I would calculate in one statement the amount due if hoursParked was greater than 2 (or 1 in the case of Bus). I thought about hardcoding the value of the first rate \* 2 (or in the case of bus, first rate \* 1) but I felt it better to leave it as (CAR\_FIRST\_RATE \* 2) for maintainability’s sake. In the future if the rate were to change, you would only have to update the constant rather than replace every instance.