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Lab 8

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Reflection

I was able to complete this program with relative ease. The most difficult of building this was thinking of how I could simulate the probability of 58% for outs and so on. I initially thought about doing something like x = rand() % 2; to model every time the user went up to bat and having one of two outcomes – hit or walk. This proved to be a very difficult way to determine probability. I went back to the drawing board and decided to generate a random number from 1-1000 and see how many of those numbers were less than 580 (58%). This would give me the right probability I needed. I also had to use 1000 because I could not use 1.7 with the modulo operator. Once the probability portion was resolved building the rest was pretty straight forward. I ran into a little problem with scope but this was easily resolved by moving some variables to a global position.