The objective of this assignment was to create a program that generated 100 random genome sequences. Each sequence should be 10 characters long. We should also test the program using concurrency and report the differences between single thread and multithread.

First, I decided to use an Array list for anything that I knew what the length was going to be beforehand. It seemed like this would be a more efficient use of memory space than an Array List since we would not be adding more items into them. For example, I used this to input into the RandomStringGenerator class the 4 characters for our genome sequence. I also use this to save the 100 genome samples that are an output for our program.

