

My approach to this assignment closely follows the examples from the class slides. I created a shared counter object that the eight concurrent threads can access. Java has some useful tools for controlling the access of multiple threads to a shared resource such as the synchronized method. As for my method of calculating a prime number, I followed the primality test algorithm found on Wikipedia. It helped me optimize the runtime of my program. One issue that I ran into was that I kept having long runtimes because I was printing each prime number found to the console. This slowed the program down by a lot.