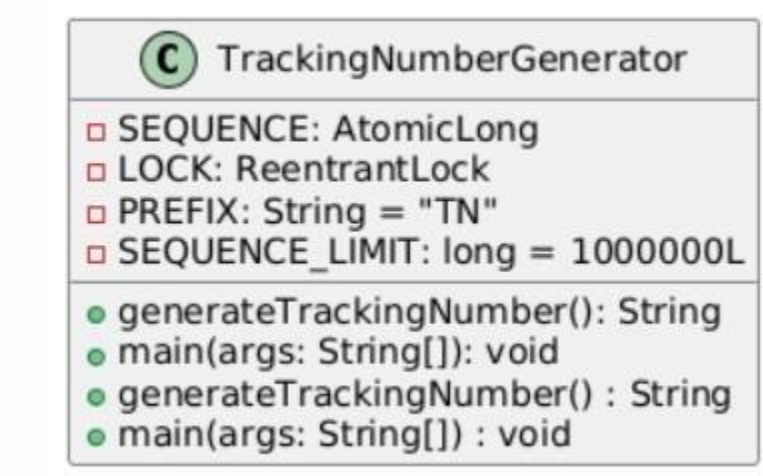
Class Diagram:



Java Code:

```
import java.util.concurrent.atomic.AtomicLong;

import java.util.concurrent.locks.ReentrantLock;

import java.time.Instant;


public class TrackingNumberGenerator {


   private static final AtomicLong SEQUENCE = new AtomicLong(0);

   private static final ReentrantLock LOCK = new ReentrantLock();


   private static final String PREFIX = "TN";

   private static final long SEQUENCE_LIMIT = 1000000L;


   /**

    * Generates a unique tracking number.

    * @return A unique tracking number.

    */
```

```
    public static String generateTrackingNumber() {
        long timestamp = Instant.now().toEpochMilli();
        long mySeq;
        LOCK.lock();
        try {
            mySeq = SEQUENCE.getAndIncrement();
            if (mySeq >= SEQUENCE_LIMIT) {
                SEQUENCE.set(0); // Reset sequence if limit is reached
                mySeq = SEQUENCE.getAndIncrement();
            }
        } finally {
            LOCK.unlock();
        }
        return PREFIX + "-" + timestamp + "-" + String.format("%06d", mySeq);
    }

    public static void main(String[] args) {
        for (int i = 0; i < 10; i++) {
            System.out.println(generateTrackingNumber());
        }
    }
}
```