# **Elaboration „Thread 3 (Thread Race Condition) “**

1. The counter will be overwritten by both Threads. The first one would start and change the Counter and the second one would change the same Counter because both Threads get the same Counter in the constructor. Furthermore the “Thread.sleep” in the run method is unnecessary, because in the “incCounter “ Method the Thread already sleeps.

Potential outcome:

Main….Worker started

W1 before 20

W2 before 20

W1 after 21

W2 after 22

W1 before 22

W2 before 22

W2 after 23

W1 after 24

…..

Main….Worker finished

Main….counter=30

1. The attribute “counter“ is a static variable and so every instance of “MyCoutner” increases this attribute in “incCounter”. Solution: don’t set “counter” as static variable. There is no need for that.
2. The “setGeoCoo” could be parallel with the help of threads.