Homework 3

Instructions:

Write a program (in C, or Java, or C++, or C#) that creates three new threads (besides the already existing main thread) and synchronizes them in such a way that each thread displays it's thread id in turn for 5 iterations. The output of the program should look like this:

Thread 1 – iteration no. 1
Thread 2 – iteration no. 1
Thread 3 – iteration no. 1
Thread 1 – iteration no. 2
Thread 2 – iteration no. 2
Thread 3 – iteration no. 2
Thread 1 – iteration no. 3
Thread 2 – iteration no. 3
Thread 3 – iteration no. 3
Thread 1 – iteration no. 4
Thread 2 – iteration no. 4
Thread 3 – iteration no. 4
Thread 1 – iteration no. 5
Thread 2 – iteration no. 5
Thread 3 – iteration no. 5

Deliverables: the source code + a screenshot of the running program.