

Atomic Types Exercises

Atoms

- Write a task function that increments a global variable 100,000 times in a tight loop
- Write a program that runs this task in concurrent threads and prints out the final value of the variable. Increase the number of threads until you see signs of data corruption
- Make the variable atomic. Do you still get data corruption?
- Make the variable volatile. Do you still get data corruption?
- Briefly explain your results