Bank Accounts

Used mutexes:
 For this solution, I used a separate mutex for each bank account so that when a transaction is made, both the mutex of the sender and the receiver will be locked, so that the transaction is protected and no other transactions which involve these 2 bank accounts will be made.

Tests:
 I tested my program using different values for the number of threads and number of operations per thread. The number of accounts is 100.
 1st test: 10 threads, 100 operations per thread, elapsed time: 0.09 seconds
 2nd test: 10 threads, 1000 operations per thread, elapsed time: 0.25 seconds
 3rd test: 10 threads, 5000 operations per thread, elapsed time: 0.92 seconds
 4th test: 100 threads, 10 operations per thread, elapsed time: 0.25 seconds
 5th test: 100 threads, 100 operations per thread, elapsed time: 0.44 seconds
 6th test: 100 threads, 1000 operations per thread, elapsed time: 1.8 seconds
 7th test: 100 threads, 2000 operations per thread, elapsed time: 2.04 seconds