```
void th_write(spinlock& spin, int& a )
{
    spinlock_guard lk{spin};
    a = 42;
}

void th_read(spinlock& spin, int& a)
{
    spinlock_guard lk{spin};
    std::cout << " value = " << a << "\n";
}
```

```
nik@Nicolas-MacBook-Air:~/GitHub/cpp_sandbox/multithreading/thread_sync$
clang++ -std=c++14 spinlock.cpp
nik@Nicolas-MacBook-Air:~/GitHub/cpp_sandbox/multithreading/thread_sync$ ./a.out
 value = 42
nik@Nicolas-MacBook-Air:~/GitHub/cpp_sandbox/multithreading/thread_sync$ ./a.out
 value = 42
nik@Nicolas-MacBook-Air:~/GitHub/cpp_sandbox/multithreading/thread_sync$ ./a.out
 value = 0
nik@Nicolas-MacBook-Air:~/GitHub/cpp_sandbox/multithreading/thread_sync$ ./a.out
 value = 0
nik@Nicolas-MacBook-Air:~/GitHub/cpp_sandbox/multithreading/thread_sync$ ./a.out
 value = 42
nik@Nicolas-MacBook-Air:~/GitHub/cpp_sandbox/multithreading/thread_sync$ ./a.out
 value = 42
nik@Nicolas-MacBook-Air:~/GitHub/cpp_sandbox/multithreading/thread_sync$ ./a.out
 value = 42
```

```cpp
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```
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 value = 42
nik@Nicolas-MacBook-Air:~/GitHub/cpp_sandbox/multithreading/thread_sync$ ./a.out
 value = 42
```

Point to…

GitHub where I put all the code (there is also stuff I haven't shown)

https://github.com/nicola-cab/cpp_sandbox/tree/master/multithreading

Resources used

- http://www.amazon.com/C-Concurrency-Action-Practical-Multithreading/dp/1933988770
- https://www.justsoftwaresolutions.co.uk/blog/
- http://herbsutter.com/category/effective-concurrency/