
Subject: Re: Use same variable in different threads
Posted by [koldo](#) on Sun, 12 Dec 2010 22:16:50 GMT
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Hello all

Nice answers !

For now if I understand well I will use:

- AtomicVar class. Nice!

- Mutex as here:

```
struct mySharedData {
    int a, b;
    String c;
    Mutex m;
};

mySharedData data;

void ThreadFunction(){
    for(int i = 0; i < 10; i++){
        Thread::Sleep(Random(10)); // Pretend some work...
        data.m.Enter();    // Enter the section that accesses the shared data
        data.a = i;
        data.c << data.a << "\n";
        Thread::Sleep(20); //Let's pretend that some slow operation happens here (for example file
access)
        data.b = data.a;
        data.m.Leave();    // we don't need the exclusive access to data anymore, release the mutex
    }
}
```