
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  
    }  
}
```
