

It's time you learnt C++ templates Koldo

ScopedLock is a template class because it's declared like this

```
template<class MUTEX>
class ScopedLock
{
```

It has one template parameter named MUTEX. When you use a template class you have to specify template arguments corresponding to all the template parameters

i.e.

```
#include <Core/Mt.h>
struct mySharedData {
    int a, b;
    String c;
    Mutex m;
};
```

```
mySharedData data;
```

```
// ...
ScopedLock<Mutex> xyz(data.m);
```

where Mutex (the template argument in between <>) is the U++ mutex class in core/mt.h
You also need to change the call mutex.lock() to mutex.Enter() and mutex.unLock() to mutex.Leave

It's actually pretty much pointless to make the ScopedLock class a template class so you could either change it to a normal class or maybe put a default argument

```
template<class MUTEX = Mutex>
class ScopedLock
{
```

then you can do

```
// ...
ScopedLock xyz(data.m);
```

When xyz goes out of scope, the destructor is called which releases the mutex.

By the way, this code is invalid as you can't call a constructor.

```
    ScopedLock(data.m); // Enter the section that ...
```

The `Mutex::Lock` class that Mirek mentioned, creates a temporary mutex so can't be used in your case if you have other code elsewhere that is accessing the data.

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