Double-Checked Locking Pattern

```
class MySingleton{
  private:
    static MySingleton* instance;
    MySingleton() = default;
    ~MySingleton() = default;
  public:
    MySingleton(const MySingleton&) = delete;
    MySingleton& operator=(const MySingleton&) = delete;
    static MySingleton* getInstance(){
      if (!instance){
        instance = new MySingleton();
      return instance;
MySingleton* MySingleton::instance = nullptr;
```

Double-Checked Locking Pattern

Thread-Safe Singleton

```
static MySingleton& getInstance(){
    std::lock_guard<mutex> myLock(myMutex);
    if( !instance ) instance= new MySingleton();
    return *instance;
}
```

Double-Checked Locking Pattern by Douglas Schmidt

```
static MySingleton& getInstance(){
   if ( !instance ){
      std::lock_guard<mutex> myLock(myMutex);
      if( !instance ) instance= new MySingleton();
   }
   return *instance;
}
```

