

Unique Lock Solutions

std::unique_lock

- What is the main difference between std::lock_guard and std::unique_lock?
 - std::unique_lock has a number of extra features
 - The main one is the unlock() member function which unlocks the mutex

std::unique_lock

- Rewrite the program from the last exercise to use a `unique_lock` instance instead of `lock_guard`
- In this program, is there any advantage to using `unique_lock` compared to using `lock_guard` in an inner scope?
 - Putting in an explicit call to `unlock()` instead of implicitly unlocking the mutex at the end of the scope makes the code clearer
 - There is some extra overhead to using `unique_lock`, but in this program it will not be noticeable