

Lazy Initialization Exercises

Lazy initialization

- What is meant by lazy initialization?
- Give an example of a situation where lazy initialization could be useful

Double-checked locking

- What is meant by double-checked locking? Explain how it is intended to work

Double-checked locking issues

- What issues can arise with double-checked locking in C++?

Double-checked locking issues

- Briefly describe how to avoid these issues

Thread-safe double-checked locking

- Write a function that performs thread-safe double-checked locking, using one of the techniques you mentioned in your previous answer
- It is not necessary to write a test program, but check that your code compiles