std::atomic_ref

std::atomic_ref applies atomic operations to the referenced object

- Writing and reading of the referenced object is no data race
- The lifetime of the referenced object must exceed the lifetime of std::atomic_ref
- The reference object must be trivially copyable
- std::atomic_ref provides the same interface as std::atomic

- std::atomic_ref
  std::atomic_ref<T*>
  std::atomic_ref<integral types>
  std::atomic_ref<user-defined types>
  std::atomic_ref<floating-point types>

atomicRef.cpp