Mutex

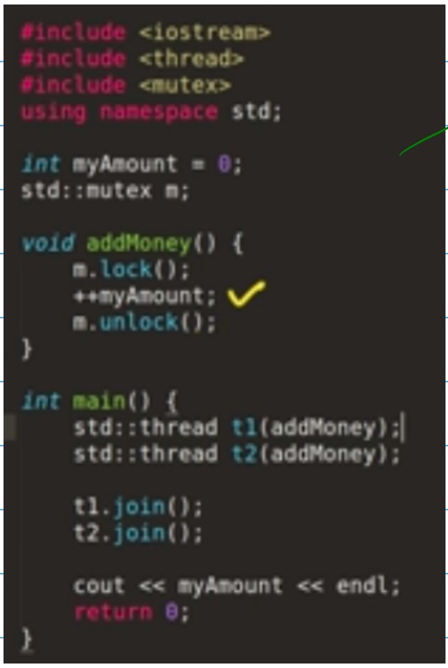
→ Mutual Exclusion

⇒ Mutex is used to avide race condition.

→ When two or more threads / process happend to change a common data at Same time.

⇒ We use lock() and unlock() on mutex to avoide race condition.

⇒ Race condition does not happen when two or more thread /Process just access a common data without chaging it.



```
#include <iostream>
#include <thread>
#include <mutex>
using namespace std;

int myAmount = 0;
std::mutex m;

void addMoney() {
    m.lock();
    ++myAmount; ✓
    m.unlock();
}

int main() {
    std::thread t1(addMoney);
    std::thread t2(addMoney);

    t1.join();
    t2.join();

    cout << myAmount << endl;
    return 0;
}
```

→ Example