```
Główny wątek:
int main() {
//stwórz wątek ----->
                                void func(){
                                //watek
//czekaj na wątek <-----
return 0;
```

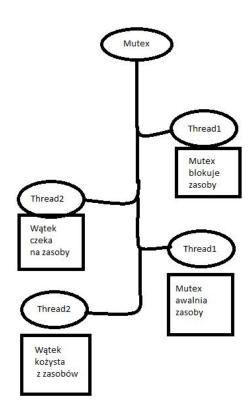
```
#include <thread>
void threadFn(int x){
cout<<"threadFn"<<endl;
int main(){
int x;
thread t1(threadFn,x);
t1.join();
return 0;
```

```
#include <thread>
void threadFn(int & x){ \leftarrow------
cout<<"threadFn"<<endl;
int main(){
int x;
thread t1(threadFn,ref(x)); \leftarrow------
t1.join();
return 0;
```

#include <thread> int main(){ int x; thread t1([](int & tx)){ cout<<tx<<endl; },ref(x); t1.join(); return 0;

#include <thread> int main(){ int x; thread t1([&](){ cout<<x<<endl; }); t1.join(); return 0;

Mutex



Mutex

```
#include <thread>
void threadFn(mutex &mtx){
lock_guard<mutex> lock(mtx);
//robi coś
int main(){
mutex mtx;
thread t1(threadFn,ref(mtx));
t1.join();
return 0;
```

Mutex

```
#include <thread>
void threadFn(mutex &mtx){
unique_lock<mutex> ul(mtx);
//robi coś
ul.unlock()
int main(){
mutex mtx;
thread t1(threadFn,ref(mtx));
t1.join();
return 0;
```