

# C++11: Anonymous Funcs & Blocks

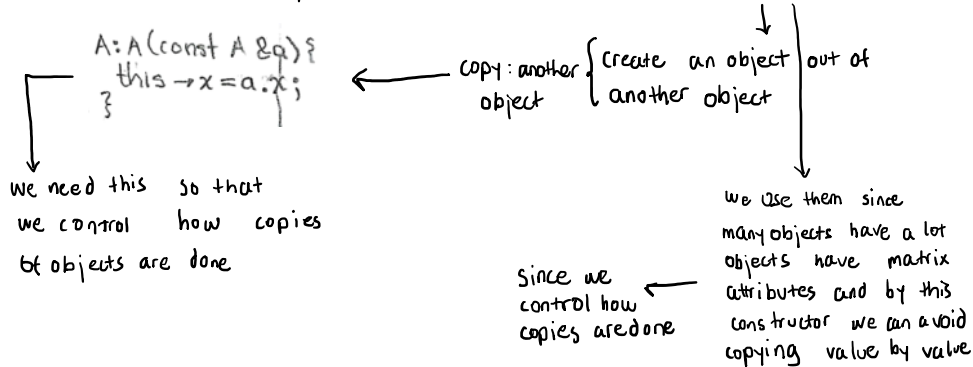
jueves, 5 de mayo de 2022 06:55 a. m.

to pass by r-value in a function, we need `move(x)` for any l-value.

→ object by value: its main characteristic is that for any copied object, a copy is created: each is a different mem space.  
 ↳ Another object

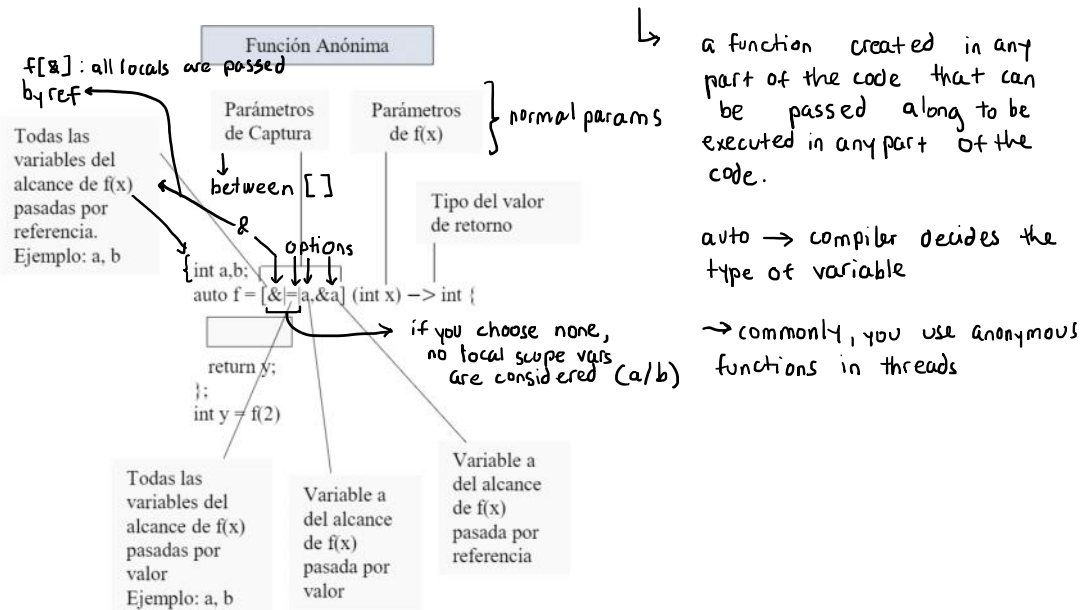
→ object by reference: any copied object points to the same memory space, that is, it points to the same object.

Apart from common constructors, other constructor is the "copy constructor"

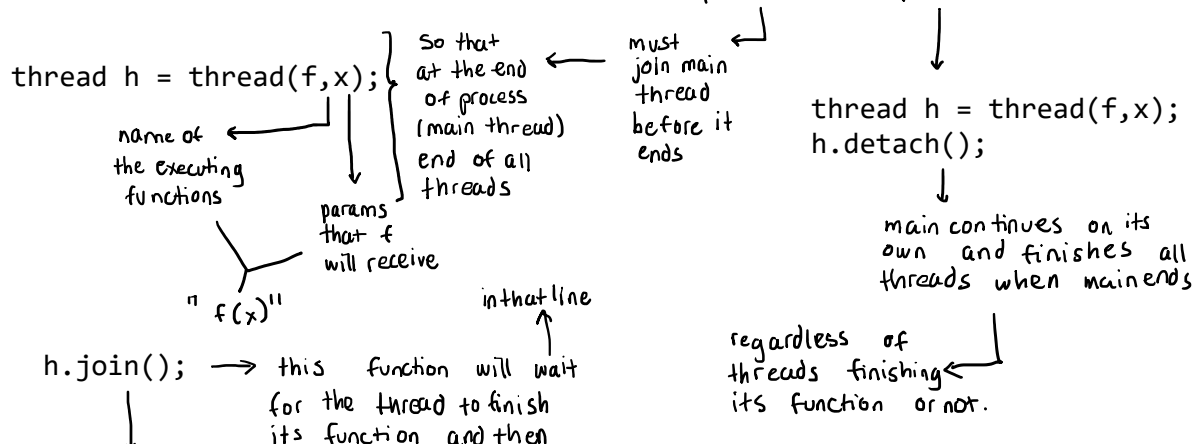


→ we can do constructors with passing by reference to l-value and to r-values

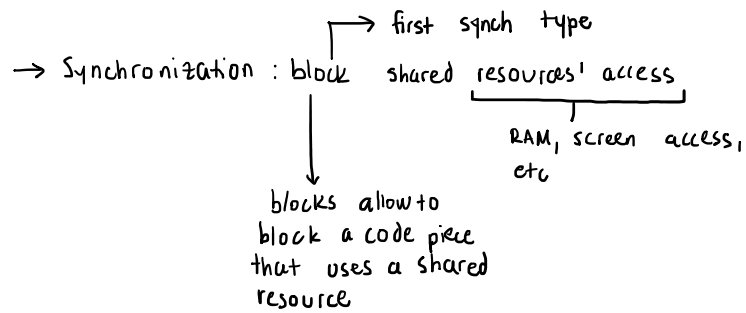
→ Another thing from C++11 are anonymous functions:



→ we have a thread class that creates threads by union or by separation.

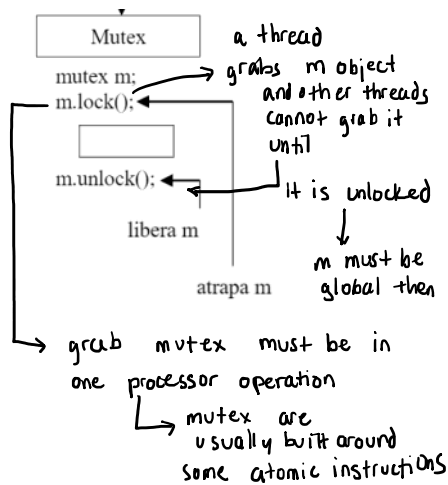


a type of synchronization main thread can continue



Block types: ( they do the same)

1) Mutex



2) Unique\_lock

