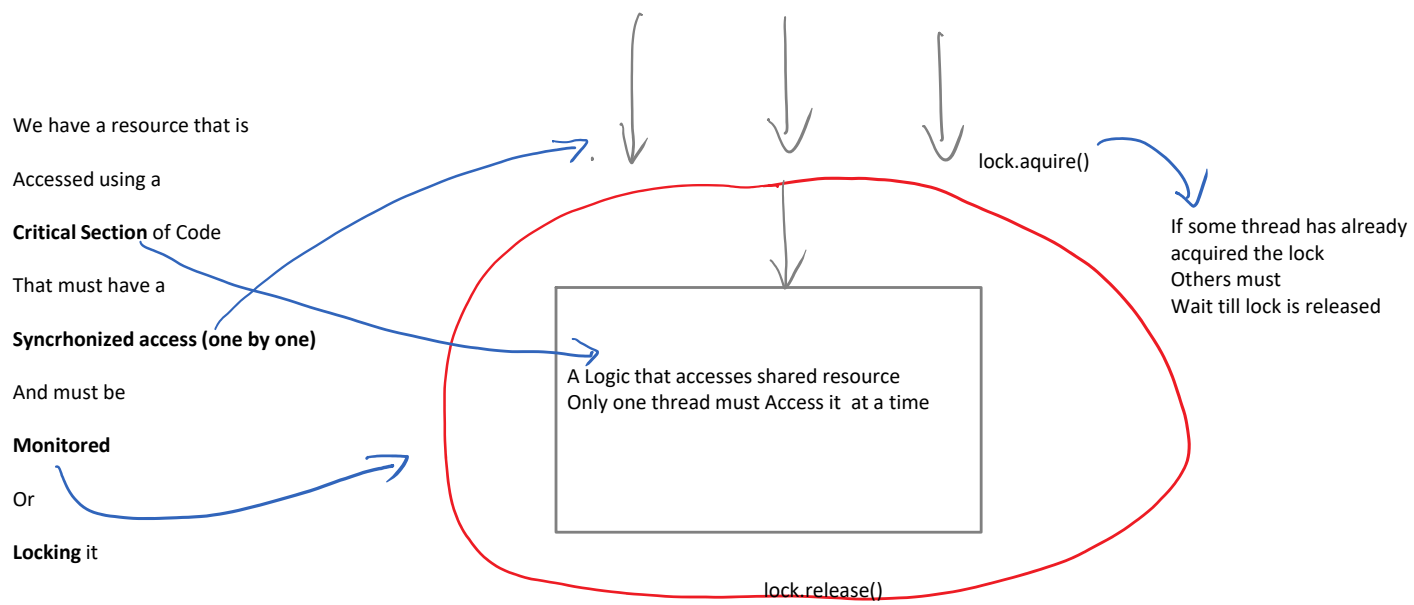


Lock

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Semaphore

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11:29 AM

- Semaphore allows multiple number of finite thread to acquire lock together
- Useful if resource allows finite number of threads to access it
 - Example: A game of cards may allow 4 players
- Semaphore is created with a max value
- Each call to acquire decrements the value
- Each call to release increments the value
- If value goes to 0 no more acquire is allowed
- Semaphore has a string id which allows it to be accessed across processes

Interthread communication (Condition)

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