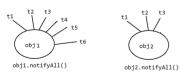


sending notification to the waiting thread. lock may or may not release immediately main thread is in waiting state lock may released the lock and gave it to other thread main thread got the notification, waited for the lock to be released from the other thread, once the lock is released it will use Thread8 total variable

Producer and Consumer Problem notify() wait() producer

produce the ite consume the item Queue .wait() .notify() class Consumer(class Producer(synchronized(a){ synchronized(a){ if(q.isEmpty())
 q.wait();
else
 consume the item produce the item to the queue
 q.notify();





notifyAll() is used to give to notification to all waiting threads. All waiting threads will be notified. and it wil be exectued one by one.