

Interthread Communication:

- Two Threads can communicate with each other by using `wait()`, `notify()` and `notifyAll()` methods.

Method Name	Description
<code>public final void wait()</code>	Causes the current thread to wait until either another thread invokes the <code>notify()</code> method or the <code>notifyAll()</code> , or a specified amount of time has elapsed.
<code>public final native void notify()</code>	Wakes up a single thread that is waiting
<code>public final void notifyAll()</code>	Wakes up all threads that are waiting

Difference between wait() & sleep()

wait()	sleep()
wait() method releases the lock	sleep() method doesn't release the lock.
It is the method of java.lang.Object class	It is the method of java.lang.Thread class
It is a non-static method	It is a static method
wait() should be notified by notify() or notifyAll() methods.	After the specified amount of time, sleep() is completed
wait() method must be called from synchronized context (i.e. synchronized method or block), otherwise it will throw IllegalMonitorStateException	sleep() can be called from anywhere. there is no specific requirement.