

Inter thread Communication

wait() & notify()

Use-case:

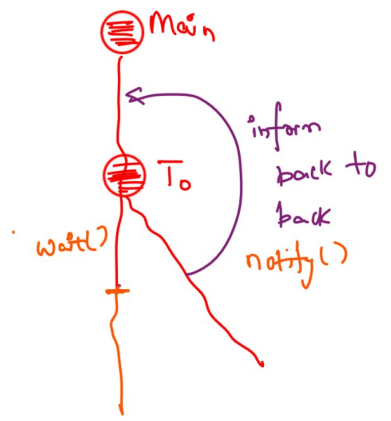
Balance Before!

transaction started

Amount withdrawn

Balance After!

transaction completed



Notes:

→ wait() & notify() & notifyAll() are present in object class

→ wait() is alternative for join() method

→ when wait() is called the current executing thread goes for waiting state until the other thread notifies
↑
i.e. main Thread

ex:

t0.start();

t0.wait();

→ the thread which executes t0.wait() would go to waiting state until the thread executed through t0 object notifies

notify()

when notify() method is called, the threads which would be waiting for the current thread would come out of waiting state

→ wait(), notify(), notifyAll() should be always written inside synchronized block

→ wait() is overloaded in object class

wait()

wait(long ms)

wait(long ms, int ns)

wait()

wait(2000) 2 sec

wait(2000, 100 ns)

Difference b/w notify() & notifyAll() :

