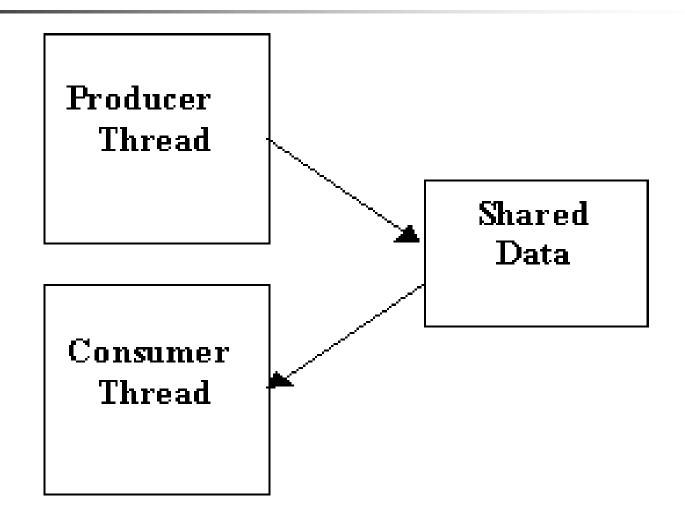
## 6. Java Threads









 Java includes an elegant inter-process communication mechanism via the wait(), notify(), and notifyAll() methods. Also they can share data between each other for communication purpose

## **Thread Control Methods**

- wait() tells the calling thread to give up the monitor and go to sleep until some other thread enters the same monitor and calls notify().
- notify() wakes up the one thread that called wait() on the same object (if there are more than one thread in wait state then it is not known that which thread will wake up.
- notifyAll() wakes up all the threads that called wait() on the same object.



- Defined in the Object class
- Should compulsorily be defined within a synchronized block
- Replace notify() with notifyAll() to notify all the waiting threads on this monitor

## wait() and notify()

wait() tells the calling thread to give up the monitor and go to wait state until some other thread enters the same monitor and calls notify().