Notify() after message is produced

Notify() after message is consumed

Wait when message is produced

Wait() when message is consumed

producesMessage()

MessageCreator

1. T2 calls printSum()
2. Acquires the lock on myNumber
3. T2 goes to wait and releases the lock
4. T1 acquires the lock on myNumber
5. Executes() generateRandom()
6. Notify()
7. Releases the lock
8. T2 acquires again and completes

Notify()

Releases the lock

wait()

T2

T1

printSum()

generateRandom()

MyNumber

(myNumber)

1. Create a class MessageCreator
2. Add methods producesMessage()
3. Add Method consumesMessage()
4. List of messages inside MessageCreator
5. Create a flag variable to check if lock is acquired by that thread or not

When Producer is getting executed, Consumer goes to wait.

When Producer is done it notifies

Consumer starts executing

Producer goes to wait()

When consumer is done it notifies.