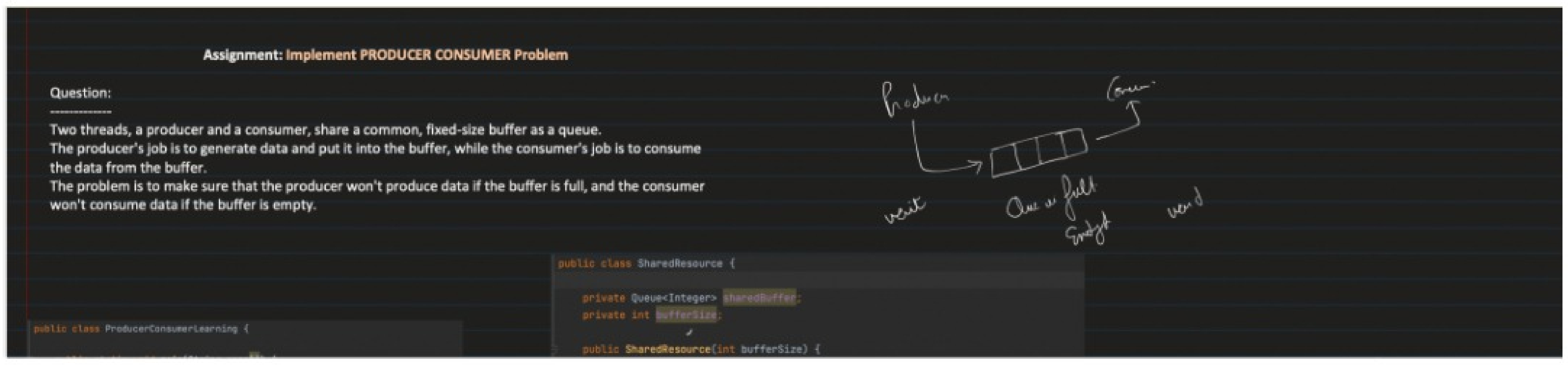
Java:Thread Joining, Daemon Thread, Thread Priority

"Concept && Coding" YT Video Notes



Assignment: Implement PRODUCER CONSUMER Problem

Question:

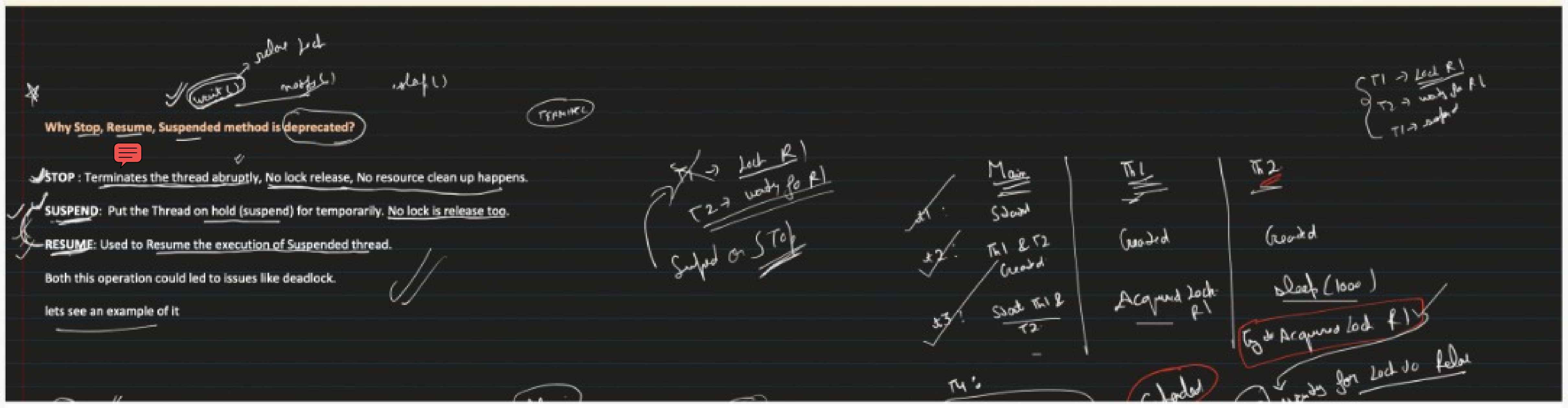
Two threads, a producer and a consumer, share a common, fixed-size buffer as a queue.
The producer's job is to generate data and put it into the buffer, while the consumer's job is to consume the data from the buffer.
The problem is to make sure that the producer won't produce data if the buffer is full, and the consumer won't consume data if the buffer is empty.

```
public class SharedResource {

    private Queue<Integer> sharedBuffer;
    private int bufferSize;

    public SharedResource(int bufferSize) {
```

```
public class ProducerConsumerLearning {
```



Why Stop, Resume, Suspended method is deprecated?

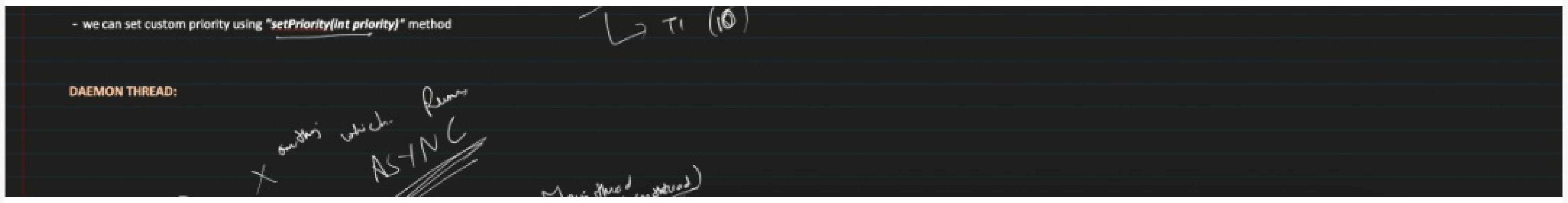
STOP : Terminates the thread abruptly, No lock release, No resource clean up happens.

SUSPEND: Put the Thread on hold (suspend) for temporarily. No lock is release too.

RESUME: Used to Resume the execution of Suspended thread.

Both this operation could led to issues like deadlock.

lets see an example of it



- we can set custom priority using ***"setPriority(int priority)"*** method

DAEMON THREAD:

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