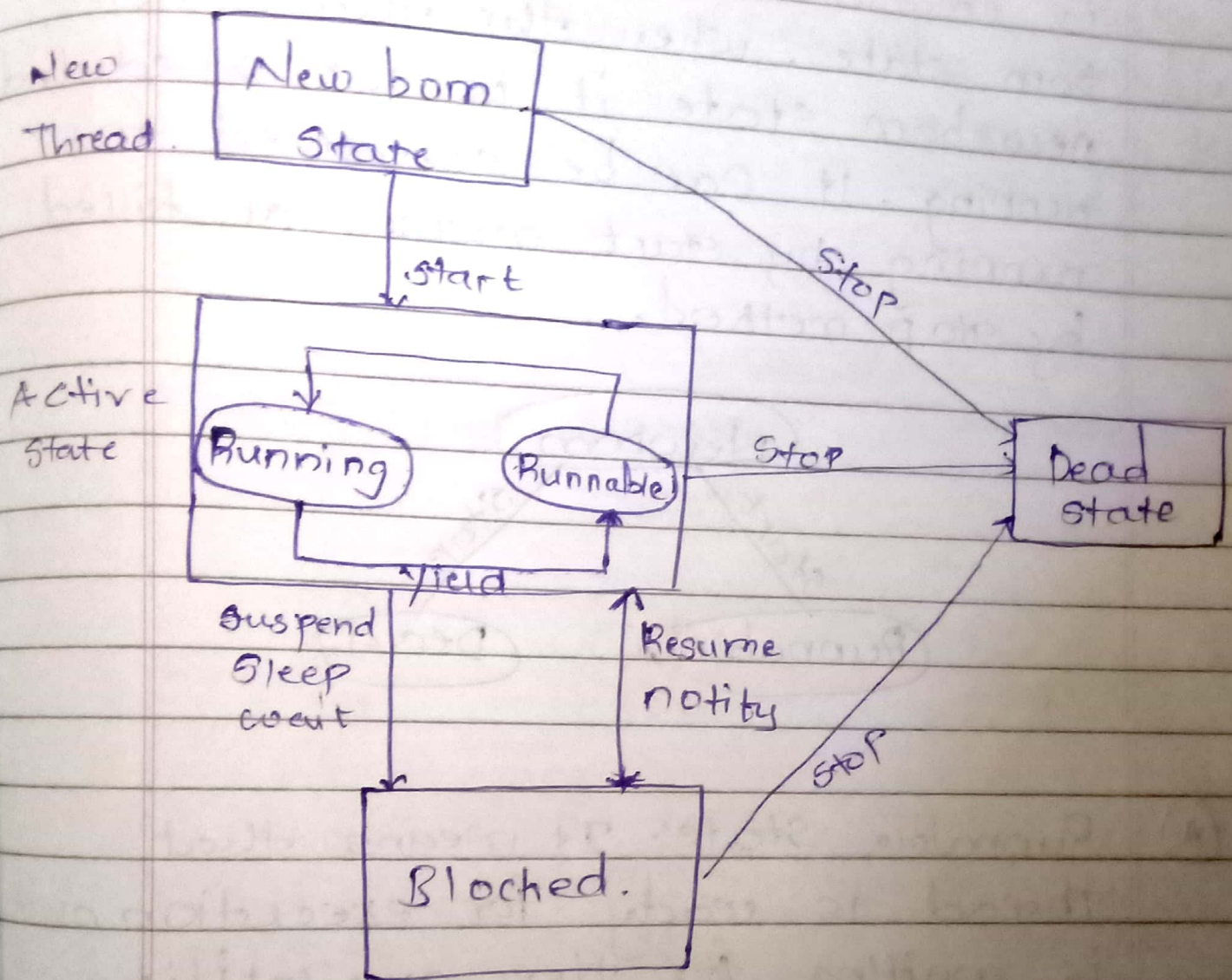

①

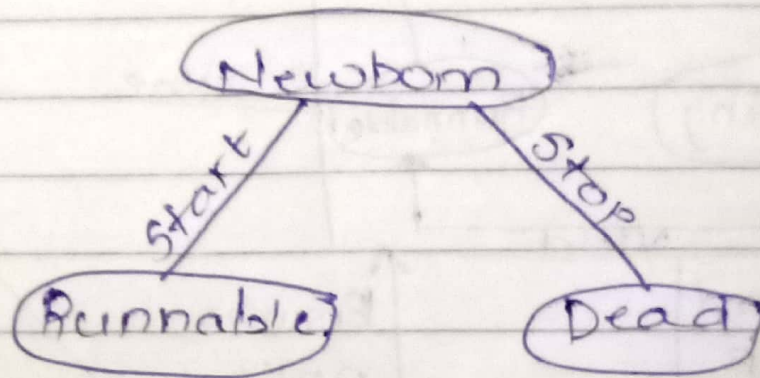
Thread life cycle:-



Thread always have

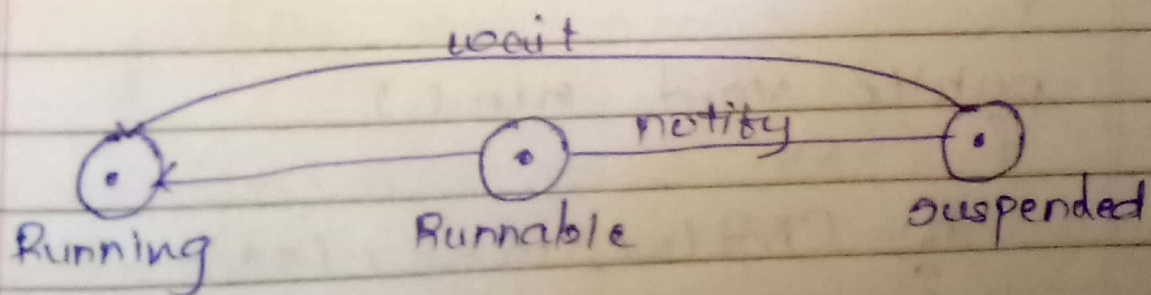
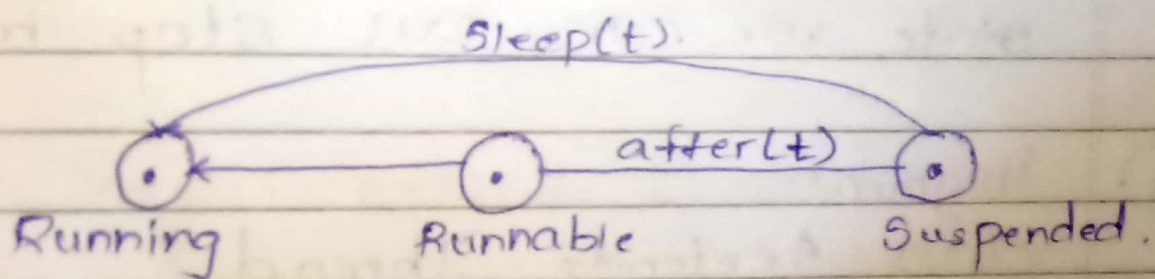
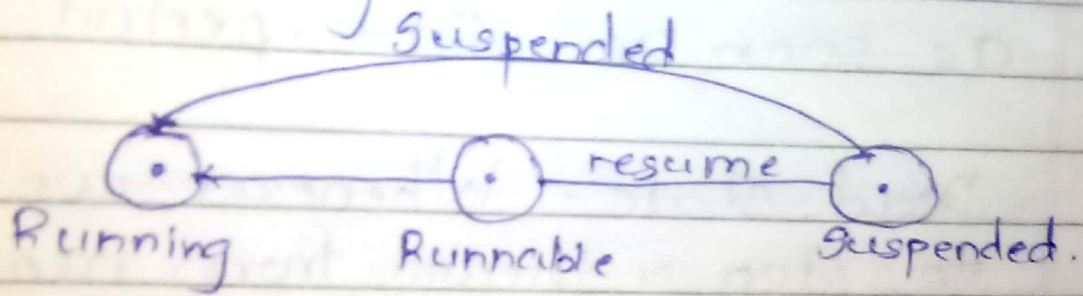
- 1) New Born
- 2) Runnable
- 3) Running
- 4) Blocked
- 5) Dead.

- ④ New Born state: when thread object is created it is said to be in new born state. when the thread is in new born state it is not scheduled running. It can be scheduled for running by start method or killed by stop method.



- ⑤ Runnable State:- It means that thread is ready for execution and is waiting for the availability for the processor. If all the threads have equal priority then they serve first come - first serve.
- ⑥ Running state:- Running state It means that the processor has given it time to the thread for execution.

- ④ **Blocked State:-** A thread can be temporarily suspended or blocked from entering into the runnable and running state by using the following thread method:-



- ④ **Suspend():** Thread can be suspended by this method. It can be re-scheduled by resume method

- ④ **wait():** If thread requires to wait until some events occurred it can be done by using wait method can be scheduled to run again by notify method.

- ① Sleep method:- ~~It is~~ We can put thread to sleep for a specify time period using sleep (time). Where time is in ~~ms~~ Ms. It re-enters into runnable state as soon as time-period is over.
- ② Dead state:- Whenever we want to stop a thread from running state we can call stop method.