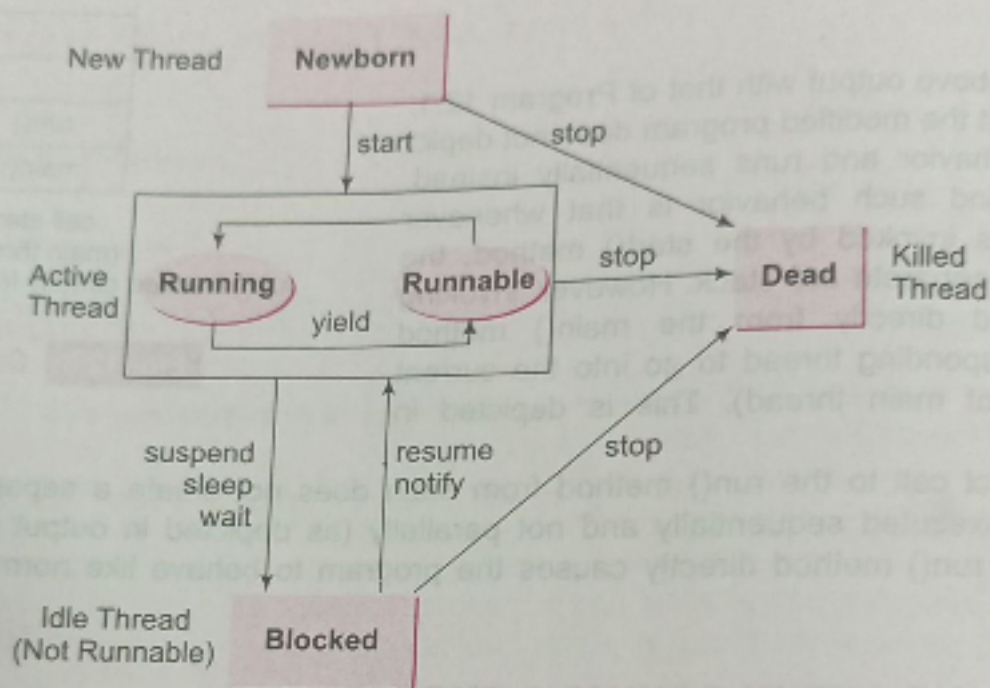## 12.5 LIFE CYCLE OF A THREAD

During the lifetime of a thread, there are many states it can enter. They include:

1. Newborn state
2. Runnable state
3. Running state
4. Blocked state
5. Dead state

A thread is always in one of these five states. It can move from one state to another via a variety of ways as shown in Fig. 12.4.

Fig. 12.4 *State transition diagram of a thread*