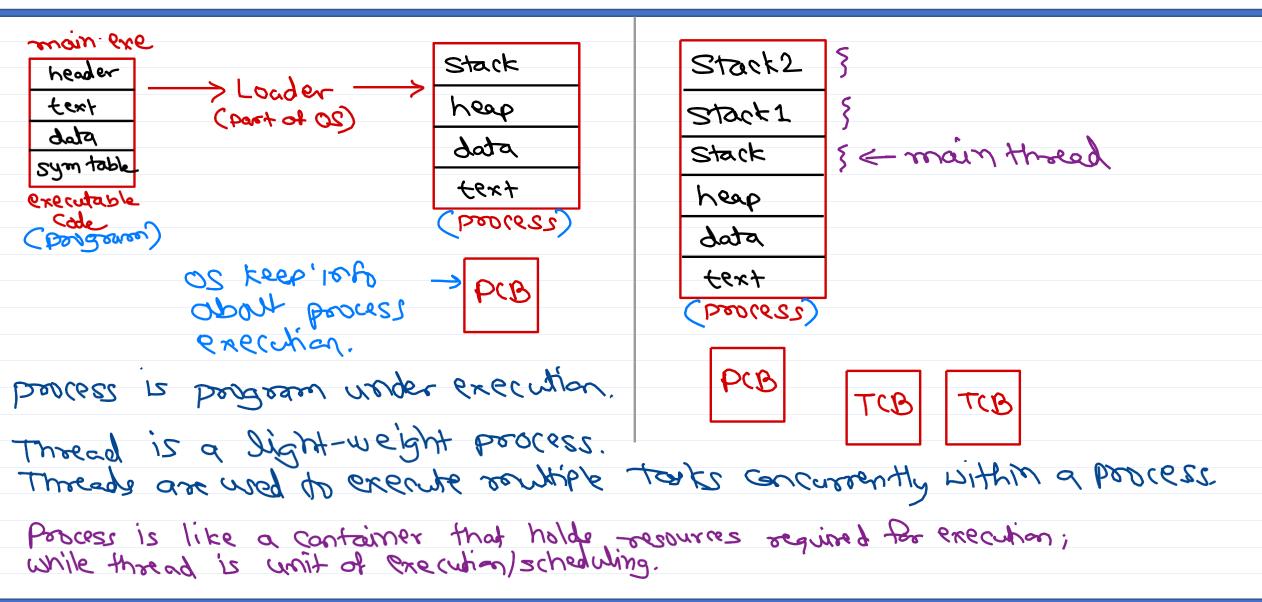
Process vs Thread





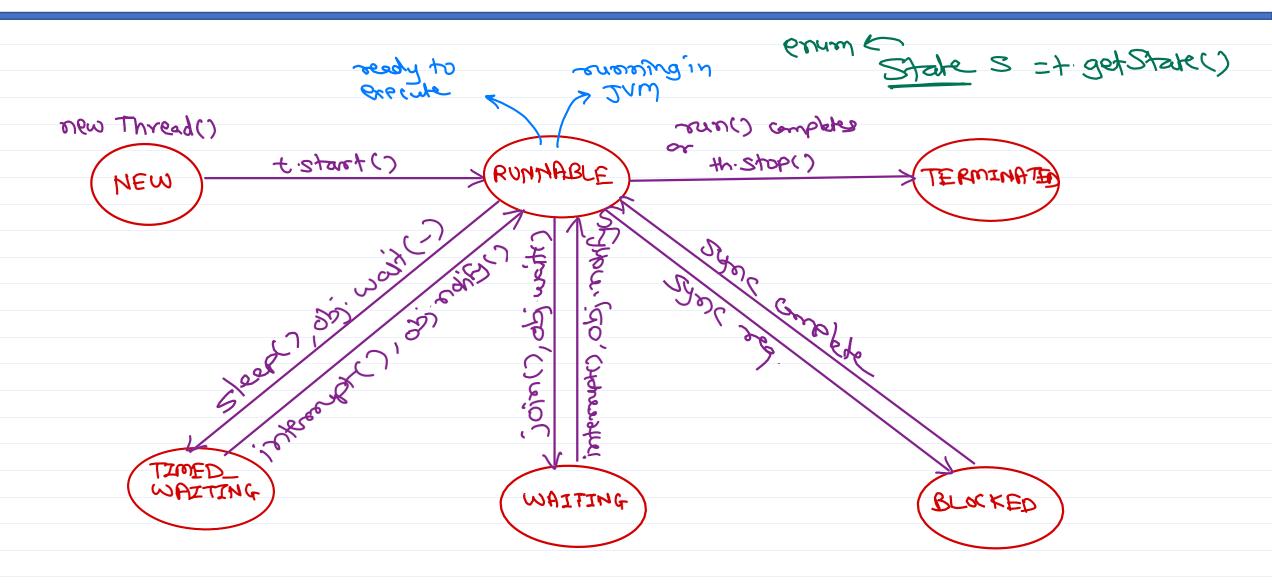
Thread creation

implements Russable extends Threed class My Thread extends Thread ? Class My Rusmable implements Rumable & @Override @ override 3 () run biont Mode 3 () our bias < in report () Whereof to = new thread (min); in main(), My Thread H= new My Thread ();

History (); +2. Star+(); Even if class is inherited from other class, If a jova class is already inherited from implementing Runnable is possible. Since a class, it cannot be inherited from Rymable 15 Functional interface, we can Thread class (muliple class inherit not allowed) use lambda expression,

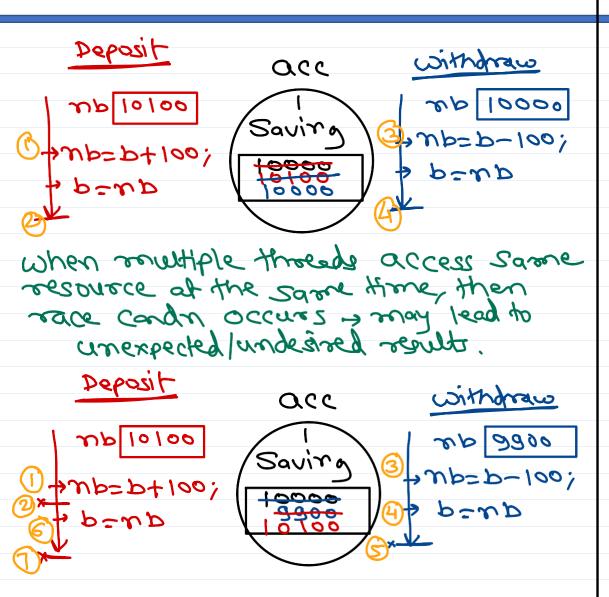


Thread life cycle





Race condition



Synchronization

we need to implement synchronization to avoid race condition.

In Java, each object is associated with a sync object called as "monister". Monister has two states i.e. locked and unlocked avoilable

Only one thread can lock the monitor and only that thread can uslock it later.

Jara has synchronized keyword to lock unlock the monitor-Osynchronized block Drynchronized method.

