OS

**States of a Thread**

1. **New/Ready:** this depict a thread instance is just created.
2. **Runnable:** after start() called, thread will be treated as runnable
3. **Non-Runnable/Blocked:** thread is alive but waiting or sleeping
4. **Terminated:**  thread has completed the execution and it is not alive.

**Thread Priority**

It is used to decide when to switch from one thread to another [called as Context Switch].

Multithreading is introducing Asynchronous behaviour to our program, there must be a way to enforce synchronicity, as per need. Synchronization is also built-in in java.