Thread: it is a light weight process, it will take the request and process the tasks.

Multi-Threads 🡺 it is noting but multiple threads handling.

Life cycle of Thread:

1. New 🡺 Creation of new Thread
2. Runnable 🡺 After creating Thread scheduler will start the Thread by calling start() method
3. Running 🡺 in this start() method will call run() method and thread will start execution
4. Non-running 🡺 If you make Thread to sleep or wait then Thread will be Non-Running state.
5. Terminate 🡺 Once Thread Completes its task it will be terminated automatically.

Thread can be created in 2 ways

By extending Thread class

By implements Runnable interface

Start() => it will start the thread

Run() 🡺 it will execute once start method called. It is void and no parameters

Join() 🡺 Join is used for completing the task one after other

Priority 🡺 it is like giving numbering for the Thread.

Dead lock:

Synchronization:

3 types

1. Synchronized method
2. Synchronized block
3. Static Synchronization

Thread pool