Java 线程

Thread II

java web下到处都是多线程

- servlet / filter
- spring controller / services 等

Thread类常用的几个方法

- Thread.currentThread()
- Thread.sleep(long ms)
- yield() 让出CPU供其他线程运行

setDeamon(boolean on) 守护线程标志

- run()
- start()
- stop() 不推荐使用
- interrupt() 给线程发送中断信号
- join() 等待一个线程结束

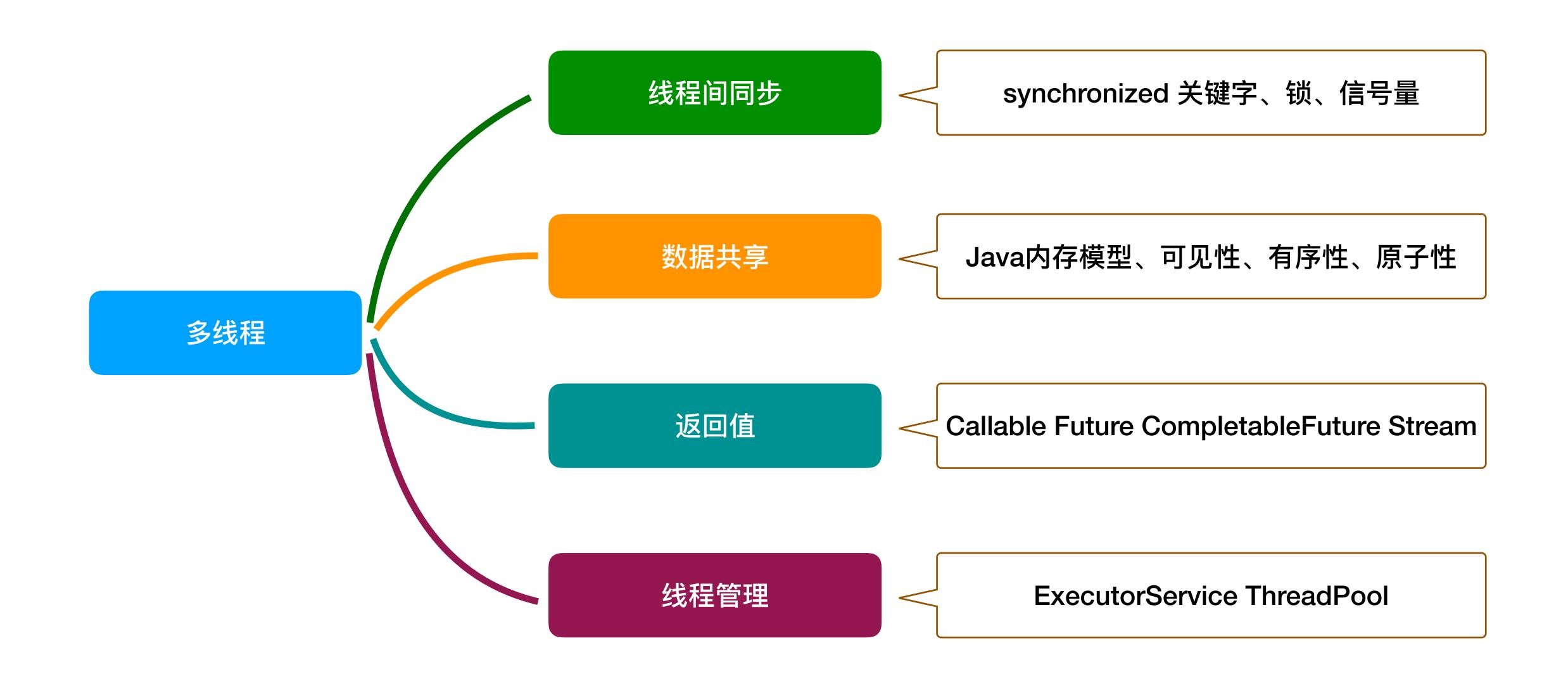
Thread State (Enum Thread.State)

NEW

RUNNABLE

- BLOCKED
- WAITING
- TIMED_WAITING
- TERMINATED

thread.getState() 查询线程的状态



Callable vs. Runnable

java.util.concurrent.Callable <v></v>	java.lang.Runnable
V call()	void run()
ExecutorService service = Executors.newCachedThreadPool(); Future <object> future = service.submit(callab') // 可以执行其他代码, callable会自动开始计算并将结果保存 Future内</object>	
Object result = future get(); //如果callable的callabledcall	all方
FetureTask <object> task = new FetureTask<>(runnable new Thread(task).start();</object>	e);

Object result = task.get();

RunnableFuture

Runnable

RunnableScheduledFuture

Thread

ForkJoinWorkerThread

Task

FutureTask

TimerTask