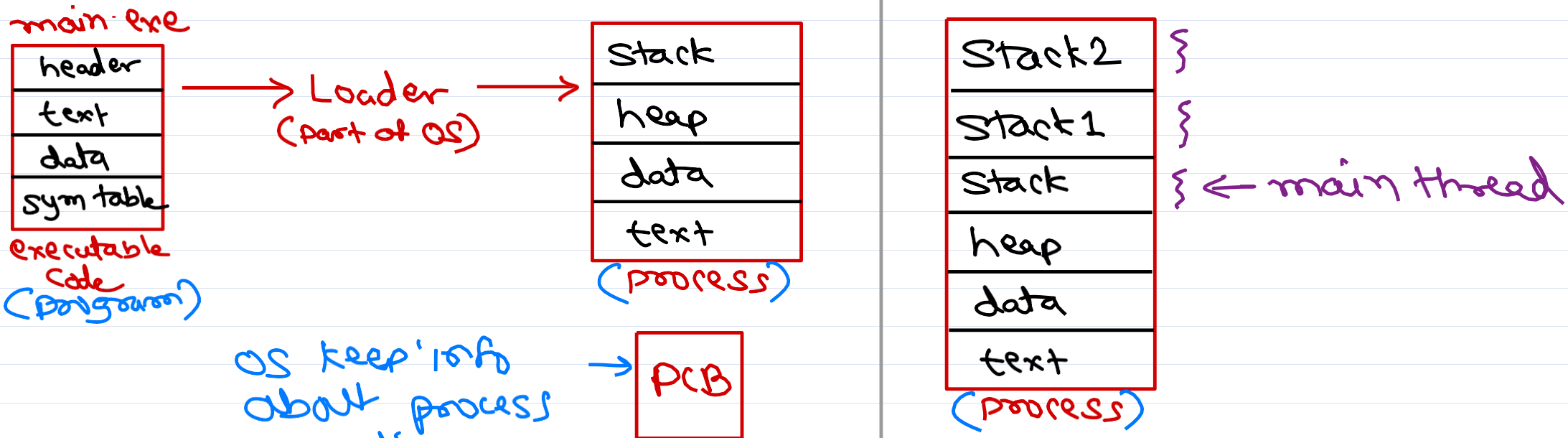
Process vs Thread



process is program under execution.

Thread is a light-weight process.
Threads are used to execute multiple tasks concurrently within a process.

Process is like a container that holds resources required for execution;
while thread is unit of execution/scheduling.

Thread creation

extends Thread

```
class MyThread extends Thread {
    :
    @Override
    void run() {
        //code
    }
}

in main(),
    MyThread t1 = new MyThread();
    t1.start();
```

If a java class is already inherited from a class, it cannot be inherited from Thread class (multiple class inherit not allowed)

implements Runnable

```
class MyRunnable implements Runnable {
    @Override
    void run() {
        //code
    }
}

in main(),
    MyRunnable mr = new MyRunnable();
    Thread t2 = new Thread(mr);
    t2.start();
```

Even if class is inherited from other class, implementing Runnable is possible. Since Runnable is functional interface, we can use lambda expression.