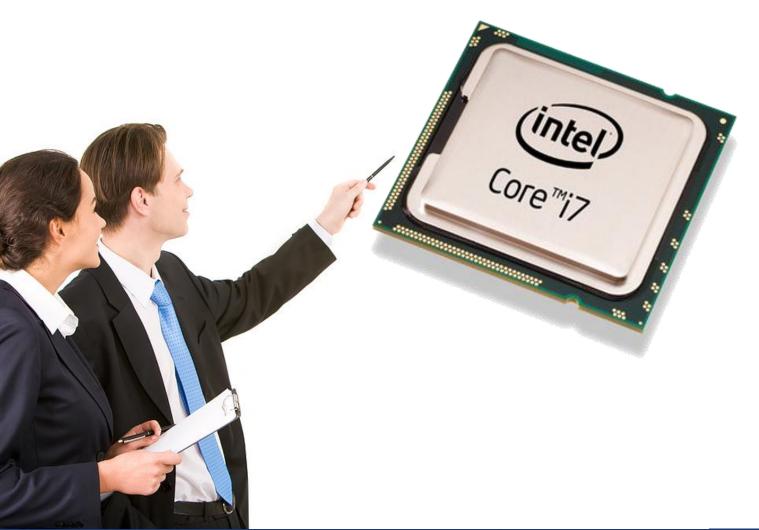
# Java Orientado a Objetos Threads

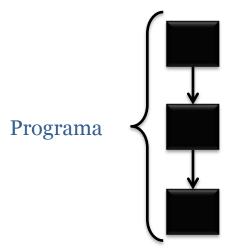




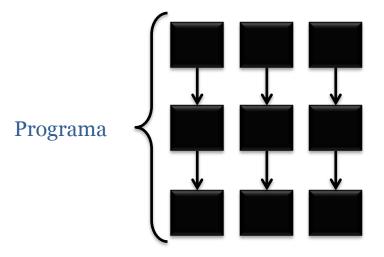
#### **Threads**

Pense em **threads** como processos do sistema operacional



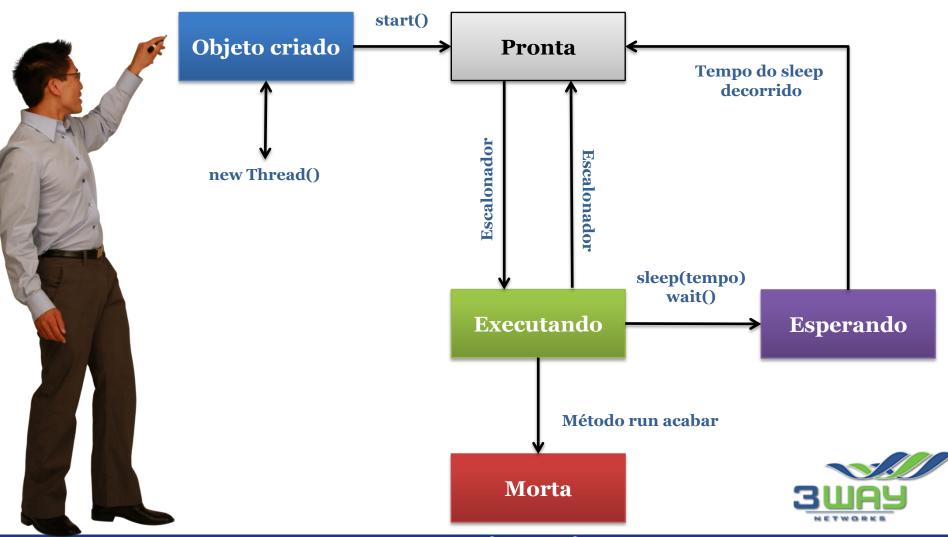


#### MultiThread





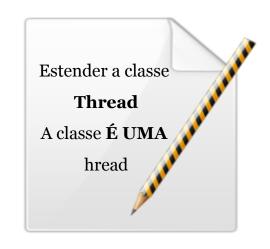
#### Ciclo de vida de uma Thread



Java Orientado a Objeto

#### Criando Threads

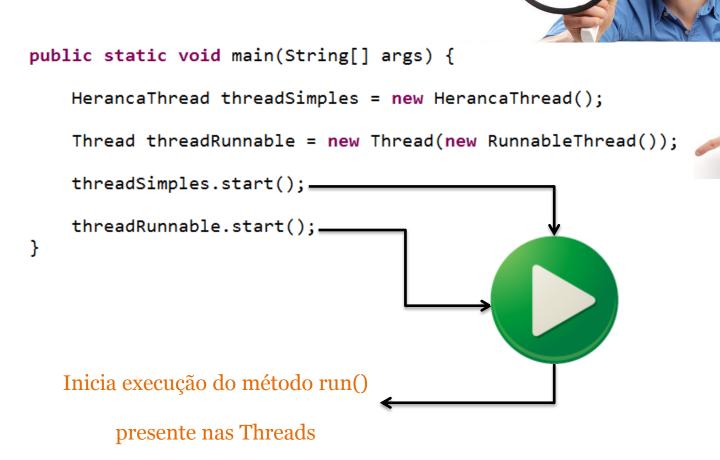
```
public class HerancaThread extends Thread {
    @Override
    public void run() {
        // conteudo da thread
        System.out.println("extends Thread");
        for (int i = 0; i < 10; i++) {
            System.out.println(i);
        }
    }
}</pre>
```



```
public class RunnableThread implements Runnable {
    @Override
    public void run() {
        // conteudo da thread
        System.out.println("implements Runnable");
        for (int i = 0; i < 10; i++) {
            System.out.println(i);
        }
    }
}</pre>
```



### Iniciando Threads

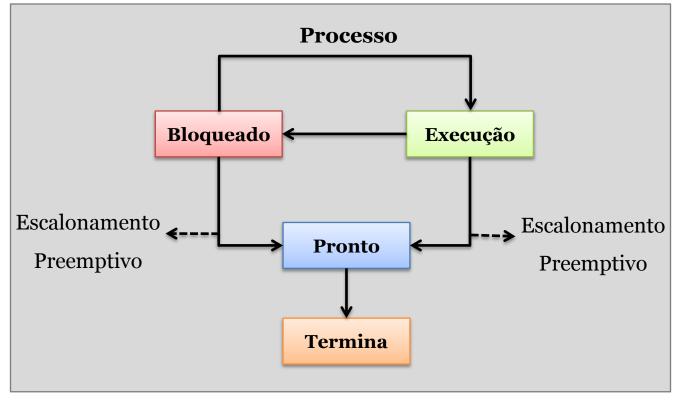




#### Escalonamento da Thread



O Escalonador seleciona um entre os processos em memória prontos para executar e aloca a CPU para ele





#### Prioridades de uma Thread

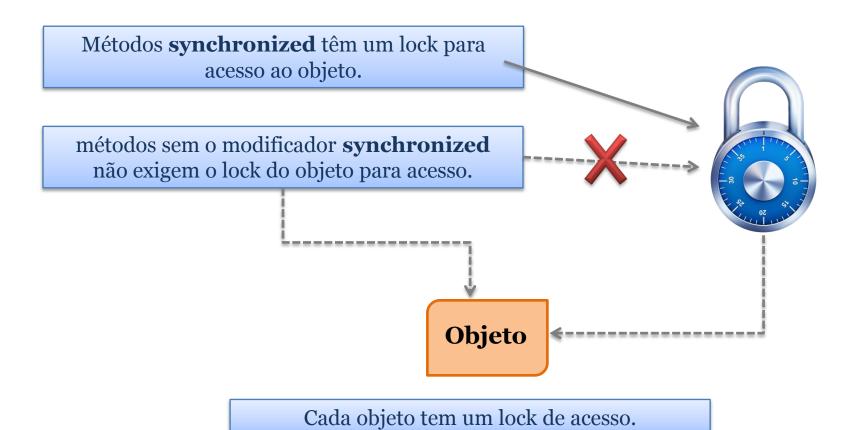


```
public static void main(String[] args) {
    HerancaThread threadSimples = new HerancaThread();
    Thread threadRunnable = new Thread(new RunnableThread());
    threadSimples.setPriority(Thread.MAX_PRIORITY);
    threadSimples.start();
    threadRunnable.setPriority(Thread.MIN_PRIORITY);
    threadRunnable.setPriority(Thread.MIN_PRIORITY);
```

Maior a chance de ser executado antes



# Sincronização





## Bloqueando acesso Concorrente

