

Java 8 Interface

```
interface {  
  abstract methods;  
  default/ static method body  
}  
  
@FunctionalInterface  
interface Test<T> {  
  T method(T o1, T o2 );//SAM  
}  
  
(x,y)->x+y  
Integer:sum;  
  
int sum(int n1,int n2);
```

MultiThreading

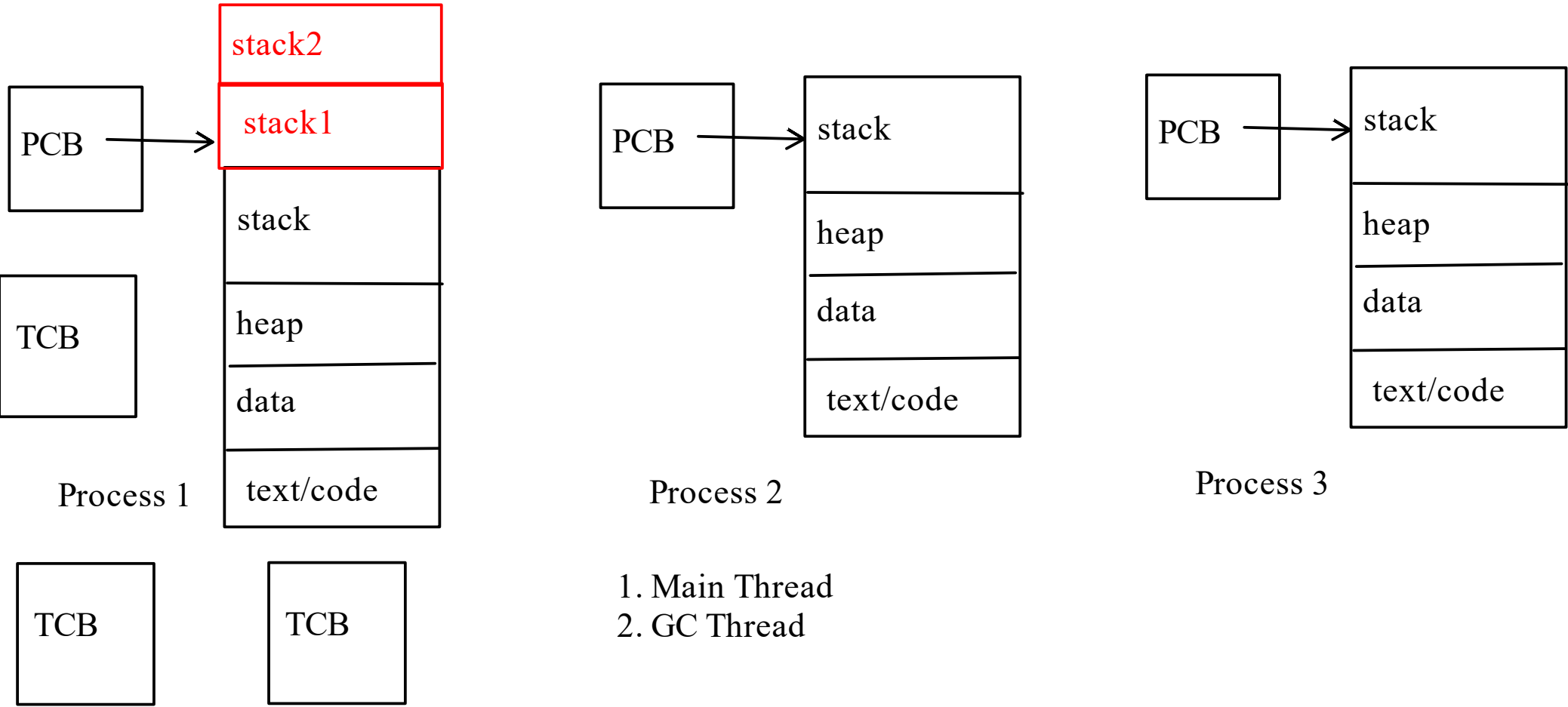
Operating System

Process

- A Program in execution is called as process

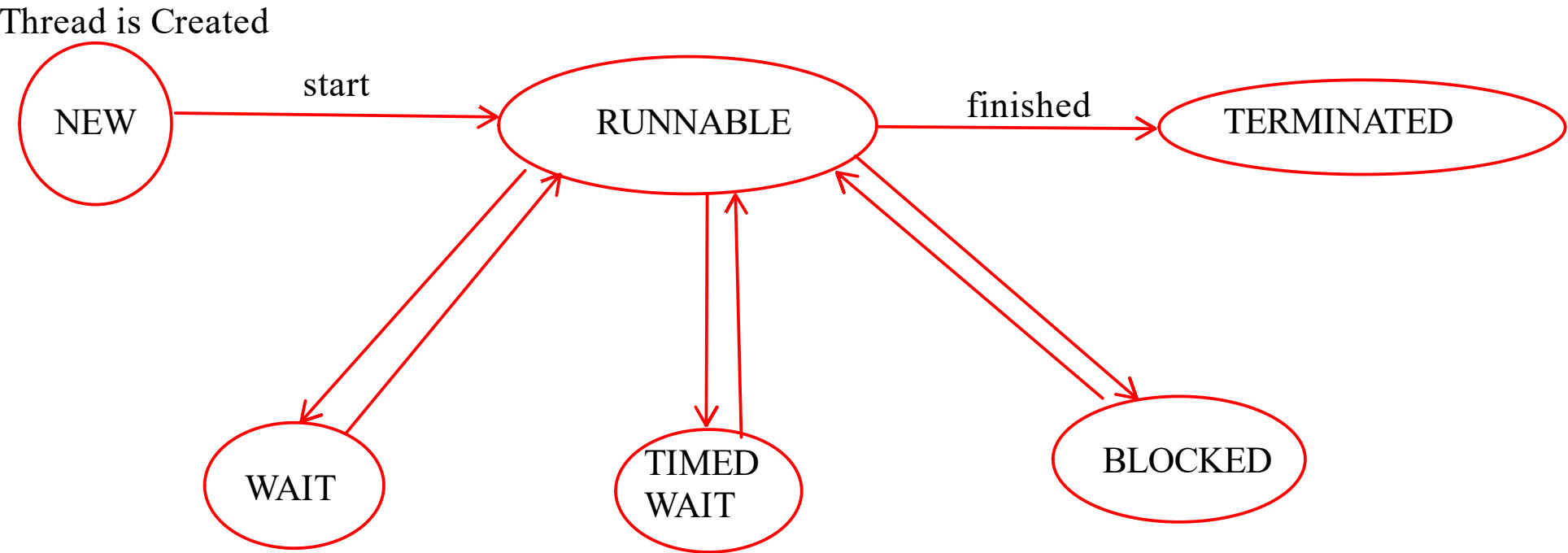
Thread

- It is a light weight process
- It is used to perform multiple tasks concurrently within the process



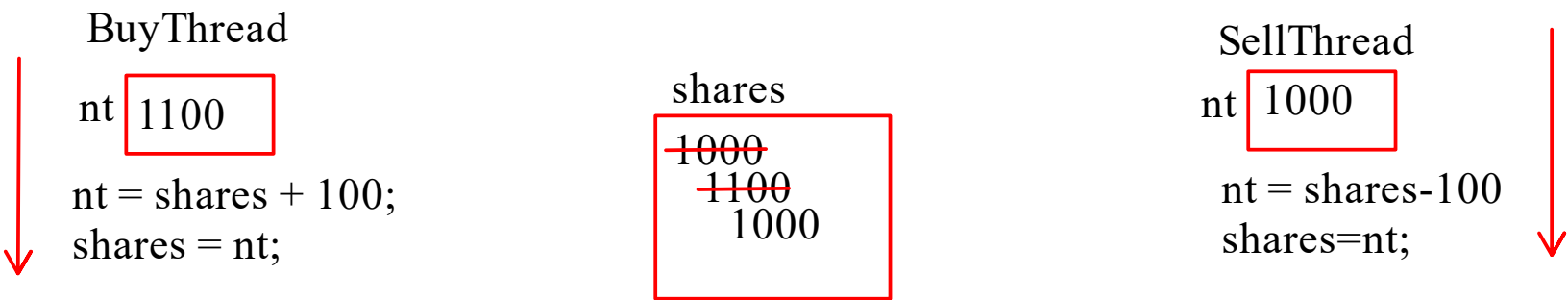
```
class Employee extends Person implements Runnable {  
  
}  
  
class Employee extends Thread {  
  
}  
Thread th = new Thread(new Employee());
```

All the threads that we create including the main thread are non daemon threads
These are also called as foreground threads

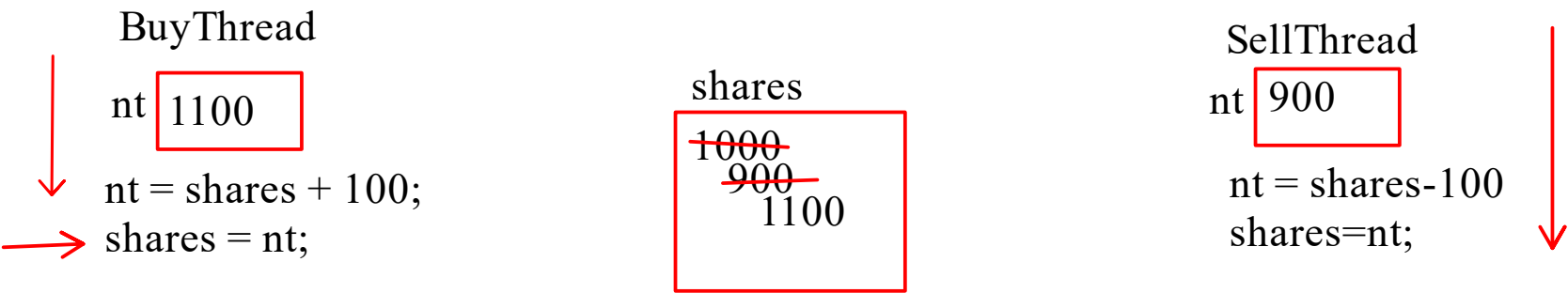


obj.notify

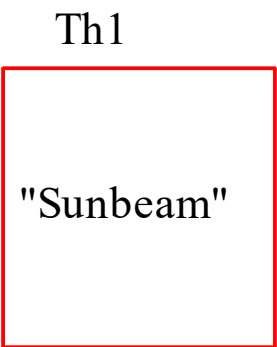
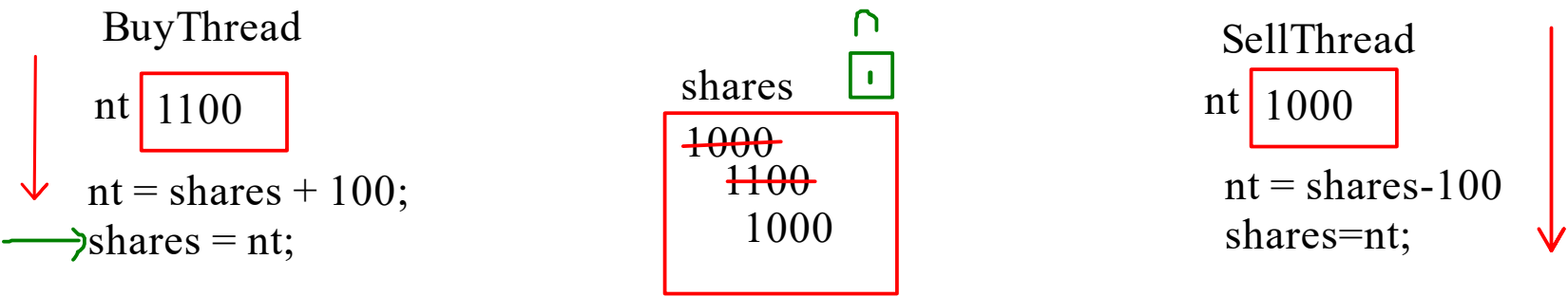
1. Ideal Condition



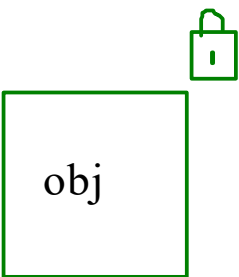
2. Actual Condition



3. Synchronization



th1
th2



```
synchronized(obj){  
  obj.wait();  
  System.out.print(name.charAt(i));  
  delay();  
}
```