# Basic definition

## Race condition

## Critical section

## Thread safety

## Thread problem

**Read book: Java Concurrency In Practice**

# Java concurrency

## Thread in java

## Thread life cycle

## Thread Pool

https://medium.com/codex/executorservice-internal-working-in-java-7b286882f54e

## Synchronization

## Happens-before relationship

<https://www.logicbig.com/tutorials/core-java-tutorial/java-multi-threading/happens-before.html>

* Note that: đảm bảo rằng khi thread thay đổi 1 biến thì các thread khác cũng ‘nhìn thấy’ sự thay đổi đó

## Concurrent collection