JAVA MULTITHREADING CORE CONCEPTS

CORE CONCEPTS

THREAD SAFETY

INTER THREAD COMMUNICATION

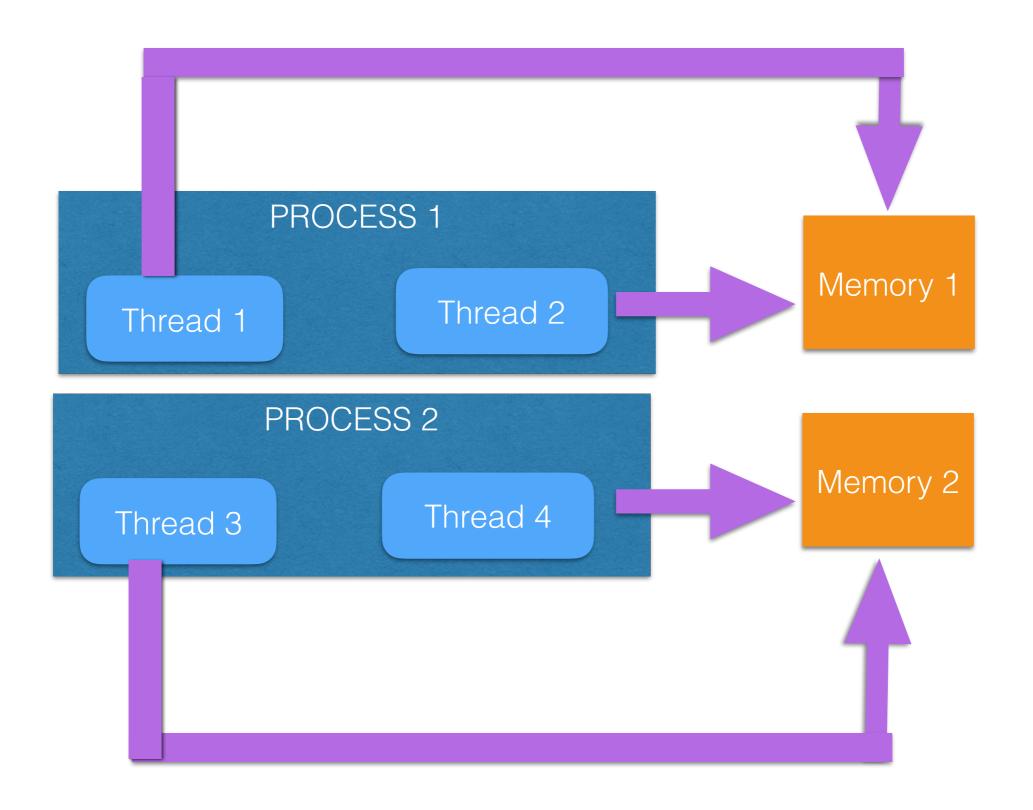
CONCURRENT COLLECTIONS

- 1. Thread basics
- 2. Thread creation
- 3. Executor framework
- 4. Questions and coding assignment

https://github.com/kilovum/multithreading.git

Thread Basics

- A operating system runs many process.
- A process is independently executing programs in operating system. Operating system allocates resources like memory, security credentials.
- A process contains many threads.
- A thread is sequence of programmed instructions which can be managed independently.



Thread 1

1)Read the old ticket no.

Compute the new ticket no .
 incrementing 1.

3)Insert into database.

1)Read the old ticket no.

Compute the new ticket no .
 by incrementing 1.

3)Insert into database.

Thread 2

Benefits of multithreading

- Utilisation of multiple processors.
- Effective handling of asynchronous tasks.
- More responsive user interfaces.