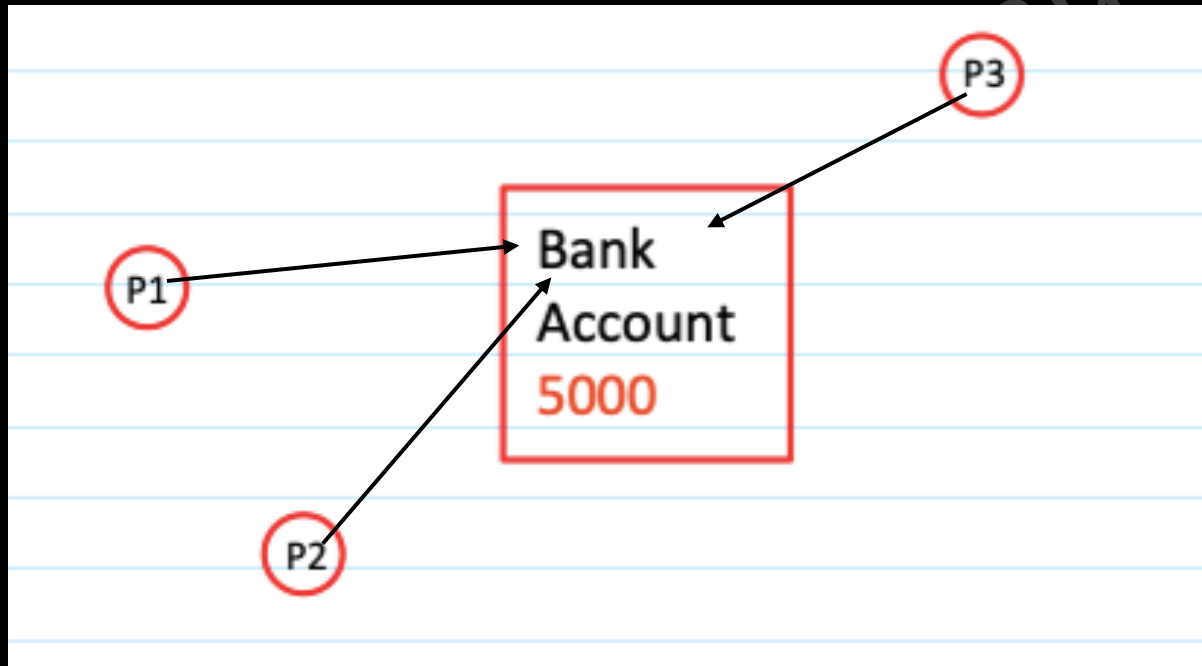# Synchronization

(Multi-Threading)

Chapter-2

Definition

- Synchronization in Java is the process that allows only one thread at a particular time to complete a given task entirely.

```
Int count=0;
void counter(){
    count++;
}

t1.start();
t2.start();
t3.start();
```

Real Life Example

Solution of this problem

Solution of this problem:
1- By making a synchronized method
2- By making a synchronized block

Technique-1

```
Int count=0;
synchronized void counter(){
    count++;
}


t1.start();
t2.start();
t3.start();
```

Technique-2

```
Int count=0;
void counter(){
    System.out.println("Hi");
    synchronized (this){
        count++;
    }
}

t1.start();
t2.start();
t3.start();
```