Memoria Principal

Int x = 0, 2

Int y = 0

Thread 1

Int x = 0
1. Write x = 5

Int y = 0

Thread 2

Int x = 0
2. Read x + 2 = 2
3. Write x = 2
Int y = 0

volatile
int x = 5;

- Read x

x++;

- Add 1

- Write x

NO SIRVE Volatile

Memoria Principal

volatile int x = 0
x = 7

Int y = 0

Thread 1

Int x = 0
1. Write x = 5

Int y = 0

Thread 2

Int x = 0
2. Read x + 2 = 7
3. Write x = 7
Int y = 0

int x = 5;

AtomicInteger
addAndGet()

- Read x
- Add 1
- Write 1