

# Java:

**Package `java.util.concurrent.atomic`**

## **AtomicBoolean**

A boolean value that may be updated atomically.

## **AtomicInteger**

An int value that may be updated atomically.

## **AtomicLong**

A long value that may be updated atomically.

## **AtomicLongArray**

A long array in which element that may be updated atomically

## **AtomicBoolean()**

Creates a new `AtomicBoolean` with initial value `false`.

## **AtomicBoolean(boolean initialValue)**

Creates a new `AtomicBoolean` with the given initial value.

**boolean compareAndSet(boolean expect, boolean update)**

Atomically sets the value to the given updated value if the current value == the expected value.

**boolean get()**

Returns the current value.

**boolean getAndSet(boolean newValue)**

Atomically sets to the given value and returns the previous value.

**void set(boolean newValue)**

Sets to the given value.