

```
1 -----TestAtomicInteger.java-----
2 package com.ameya.test;
3
4 import java.util.concurrent.atomic.AtomicInteger;
5
6 public class TestAtomicInteger {
7
8     public static void main(String[] args) {
9         AtomicInteger a1=new AtomicInteger(200);
10        System.out.println(a1.addAndGet(2)); //202
11        System.out.println(a1);//202
12        System.out.println(a1.getAndAdd(2)); //202
13        System.out.println(a1);//204
14        System.out.println(a1.incrementAndGet());//205
15        System.out.println(a1);//205
16        System.out.println(a1.getAndIncrement());//205
17        System.out.println(a1);//206
18        System.out.println(a1.decrementAndGet());//205
19        System.out.println(a1);//205
20        System.out.println(a1.getAndDecrement());//205
21        System.out.println(a1);//204
22
23        AtomicInteger a2=new AtomicInteger(400);
24        boolean isChanged=a2.compareAndSet(400, 410);
25        System.out.println("isChanged : "+isChanged+" a2 : "+a2);//true
26        410
27        isChanged=a2.compareAndSet(400, 420);
28        System.out.println("isChanged : "+isChanged+" a2 : "+a2);//false
29        410
30    }
31 }
```