



## Assignment – 3

Write a program with data structure ,use atomic methods like get(),incrementAndGet(),decrementAndGet(),compareAndSet(),etc ,also use all other functionalities to make the progrm more responsive.

```
package Section3;

import java.util.concurrent.atomic.AtomicInteger;

public class Assignment3 {

    public static void main(String[] args) {
        AtomicInteger val = new AtomicInteger(4);

        System.out.println("\nGet\n" + val.get());

        System.out.println("Increment and get");
        System.out.println("Previous value: " + val);
        int res = val.incrementAndGet();
        System.out.println("Current value: " + res);

        System.out.println("\nDecrement and get");
        System.out.println("Previous value: " + val);
        res = val.decrementAndGet();
        System.out.println("Current value: " + res);

        System.out.println("\nCompare And Set");
        System.out.println("\nWhen expected value match");
        val.compareAndSet(4, 77);
        System.out.println("the updated number: " + val);
        System.out.println("\nWhen expected value don't match");
        val.compareAndSet(4, 88);
        System.out.println("the updated number: " + val);

    }

}
```



