## Practical 8

AIM: Demonstrate the use of multithreading. Consider a website publishes live cricket score. The server thread can change the contents of the website whereas all the client threads read the score. Write the code to demonstrate all the functionalities.

Name: Vedant Tiwari

Roll no: 68

Subject: OOPS

Code:

```
import java.util.concurrent.atomic.AtomicInteger;

class CricketScore {

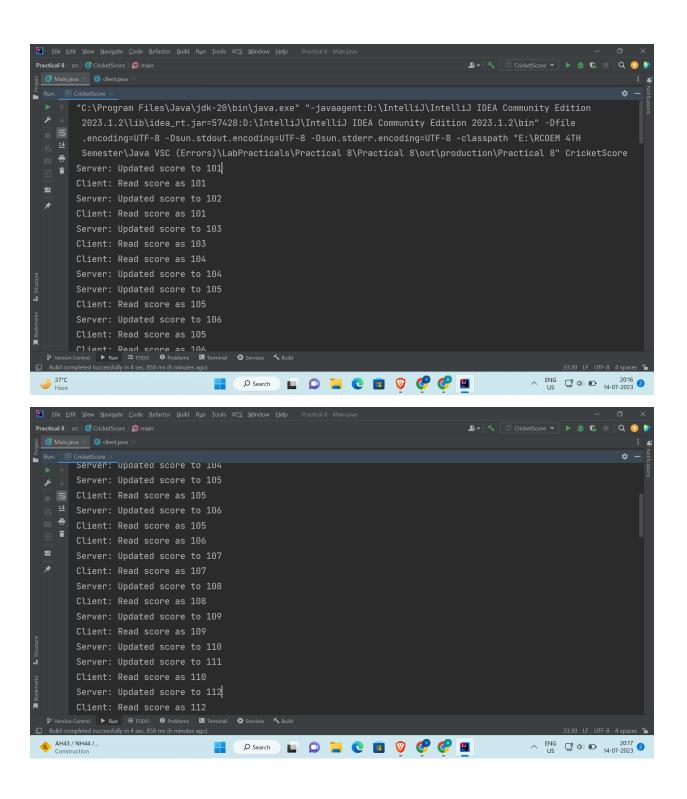
private static final AtomicInteger score = new
AtomicInteger(100);

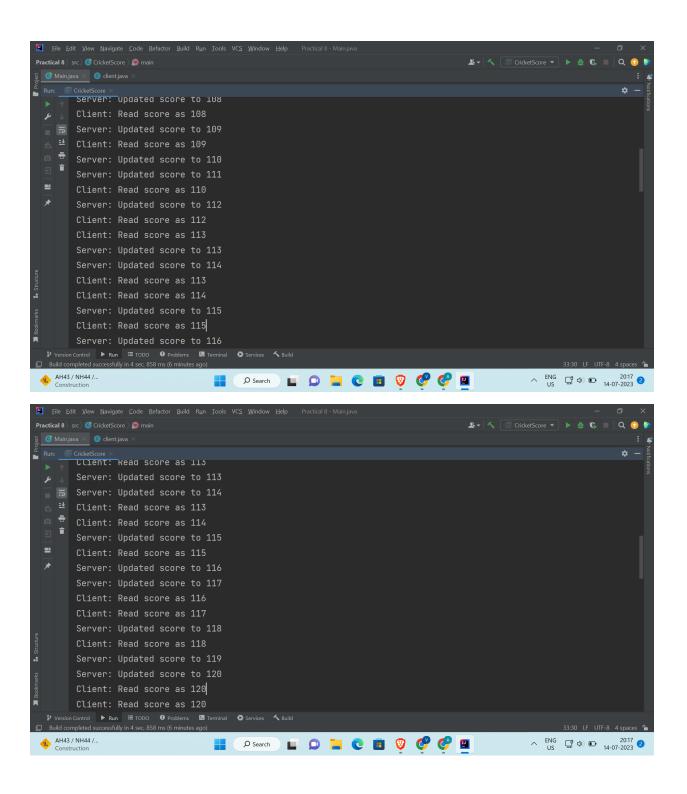
public static void main(String[] args) {
  Thread serverThread = new Thread(() -> {
  while (true) {
    try {
    Thread.sleep(1000);
    } catch (InterruptedException e) {
    e.printStackTrace();
  }

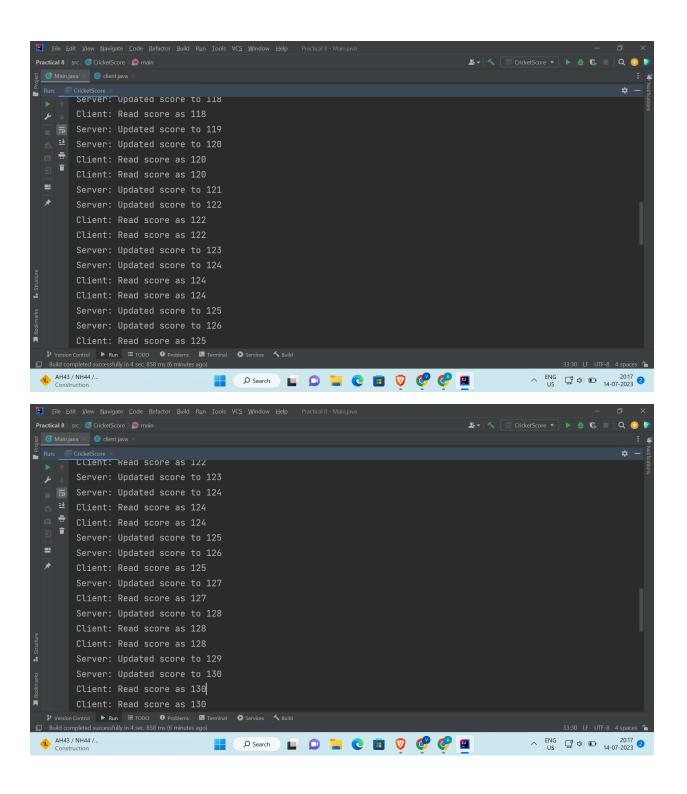
score.incrementAndGet();
System.out.println("Server: Updated score to " + score);
}
```

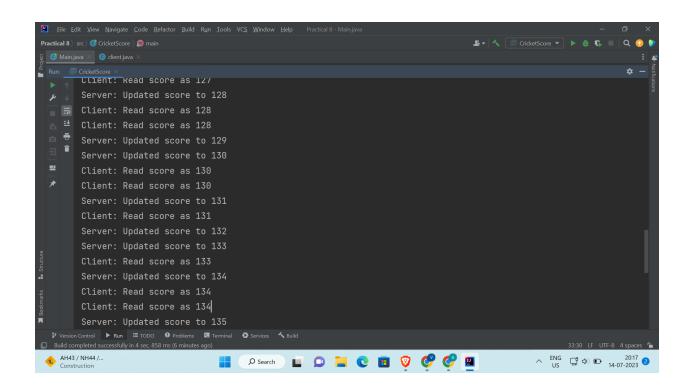
```
Thread clientThread = new Thread(() -> {
    while (true) {
        try {
            Thread.sleep(1000);
        } catch (InterruptedException e) {
            e.printStackTrace();
        }
        System.out.println("Client: Read score as " + score);
        }
    });
    serverThread.start();
    clientThread.start();
}
```

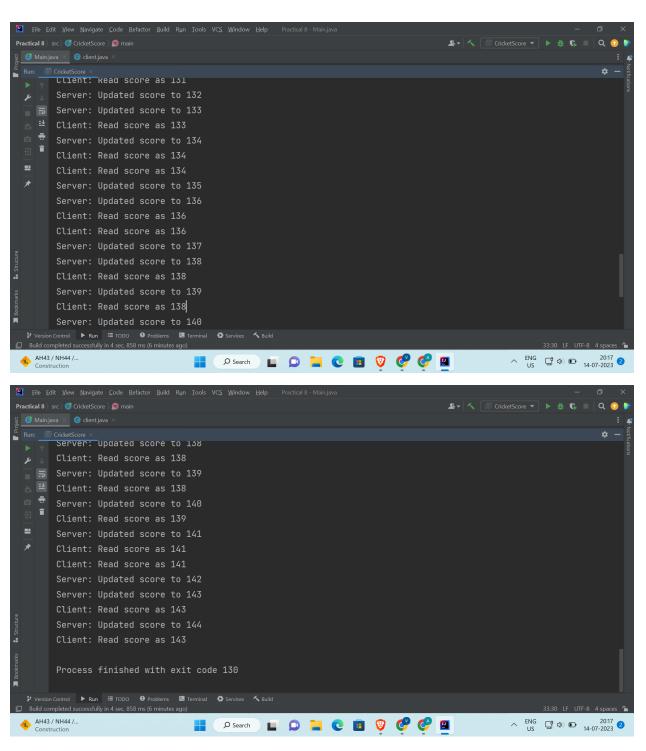
## Output:











## Result:

Successful execution of Threads.