```
class MovingAverage {

    int sum, size;
    Queue<Integer> q;
    /** Initialize your data structure here. */
    public MovingAverage(int size) {
        this.q = new LinkedList<>();
        this.sum = 0;
        this.size = size;
    }

    public double next(int val) {
        q.offer(val);
        sum += val;
        if (q.size() > size) {
            int tmp = q.poll();
            sum -= tmp;
        }
        return 1.0 * sum / q.size();
    }
}

/**
 * Your MovingAverage object will be instantiated and called as such:
 * MovingAverage obj = new MovingAverage(size);
 * double param_1 = obj.next(val);
 */
```

Given a stream of integers and a window size, calculate the moving average of all integers in the sliding window.

Example:

```
MovingAverage m = new MovingAverage(3);
m.next(1) = 1
m.next(10) = (1 + 10) / 2
m.next(3) = (1 + 10 + 3) / 3
m.next(5) = (10 + 3 + 5) / 3
```