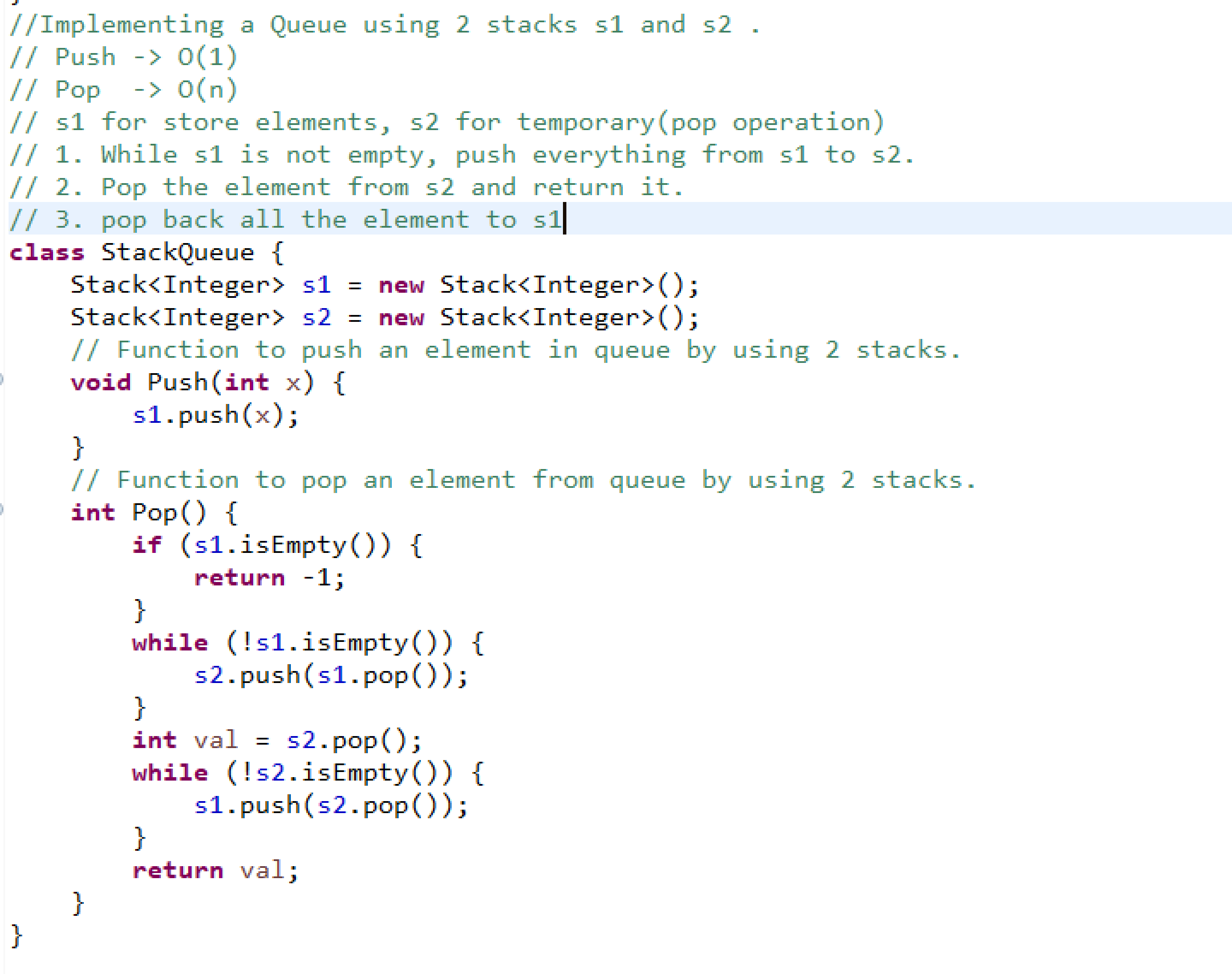

```java
//Implementing a Queue using 2 stacks s1 and s2 .
// Push -> O(1)
// Pop  -> O(n)
// s1 for store elements, s2 for temporary(pop operation)
// 1. While s1 is not empty, push everything from s1 to s2.
// 2. Pop the element from s2 and return it.
// 3. pop back all the element to s1
class StackQueue {
    Stack<Integer> s1 = new Stack<Integer>();
    Stack<Integer> s2 = new Stack<Integer>();
    // Function to push an element in queue by using 2 stacks.
    void Push(int x) {
        s1.push(x);
    }
    // Function to pop an element from queue by using 2 stacks.
    int Pop() {
        if (s1.isEmpty()) {
            return -1;
        }
        while (!s1.isEmpty()) {
            s2.push(s1.pop());
        }
        int val = s2.pop();
        while (!s2.isEmpty()) {
            s1.push(s2.pop());
        }
        return val;
    }
}
```