```
class MyQueue {
  Stack<Integer> s1;
  Stack<Integer> s2;
  /** Initialize your data structure here. */
  public MyQueue() {
     s1 = new Stack<>();
     s2 = new Stack<>();
  private void move() {
     if (s1.isEmpty()) {
       while (!s2.isEmpty()) {
          s1.push(s2.pop());
     }
  }
  /** Push element x to the back of queue. */
  public void push(int x) {
     s2.push(x);
  /** Removes the element from in front of gueue and returns that element. */
  public int pop() {
     move();
     return s1.pop();
  }
  /** Get the front element. */
  public int peek() {
     move();
     return s1.peek();
  }
  /** Returns whether the queue is empty. */
  public boolean empty() {
     return s1.isEmpty() && s2.isEmpty();
}
* Your MyQueue object will be instantiated and called as such:
* MyQueue obj = new MyQueue();
* obj.push(x);
* int param 2 = obj.pop();
* int param_3 = obj.peek();
* boolean param_4 = obj.empty();
*/
```