class MyStack {

/\*\* Initialize your data structure here. \*/

Queue<Integer> q1;

Queue<Integer> q2;

public MyStack() {

q1 = new LinkedList<Integer>();

q2 = new LinkedList<Integer>();

}

/\*\* Push element x onto stack. \*/

public void push(int x) {

while (!q1.isEmpty())

{

q2.offer(q1.poll());

}

q1.offer(x);

while (!q2.isEmpty())

{

q1.offer(q2.poll());

}

}

/\*\* Removes the element on top of the stack and returns that element. \*/

public int pop() {

return q1.poll();

}

/\*\* Get the top element. \*/

public int top() {

return q1.peek();

}

/\*\* Returns whether the stack is empty. \*/

public boolean empty() {

return q1.isEmpty();

}

}

/\*\*

\* Your MyStack object will be instantiated and called as such:

\* MyStack obj = new MyStack();

\* obj.push(x);

\* int param\_2 = obj.pop();

\* int param\_3 = obj.top();

\* boolean param\_4 = obj.empty();

\*/