class MyQueue {

Stack<Integer> in;

Stack<Integer> out;

public MyQueue() {

this.in=new Stack<>();

this.out=new Stack<>();

}

public void push(int x) {

in.push(x);

}

public int pop() {

peek();

return out.pop();

}

public int peek() {

if(out.isEmpty()){

while(!in.isEmpty()){

out.push(in.pop());

}

}

return out.peek();

}

public boolean empty() {

if(in.isEmpty() && out.isEmpty()){

return true;

}

return false;

}

}

/\*\*

\* 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();

\*/