Problem Link:

<https://leetcode.com/problems/implement-queue-using-stacks/>

Solution:

class MyQueue {

public:

stack<int> s1, s2;

MyQueue() {

}

void push(int x) {

s1.push(x);

}

int pop() {

if (s2.empty()) {

while (!s1.empty()) {

s2.push(s1.top());

s1.pop();

}

}

int front = s2.top();

s2.pop();

return front;

}

int peek() {

if (s2.empty()) {

while (!s1.empty()) {

s2.push(s1.top());

s1.pop();

}

}

return s2.top();

}

bool empty() {

return s1.empty() && s2.empty();

}

};