**Day 25 : Queue Using Stack**

#include <stack>

class Queue {

private:

stack<int> first;

stack<int> second;

public:

Queue() {

// Initialize your data structure here.

}

void enQueue(int val) {

first.push(val);

}

int deQueue() {

if(!second.empty()){

int data = second.top();

second.pop();

return data;

}

else{

if(first.empty()){

return -1;

}

else{

while(!first.empty()){

second.push(first.top());

first.pop();

}

int data = second.top();

second.pop();

return data;

}

}

}

int peek() {

if(!second.empty()){

return second.top();;

}

else{

if(first.empty()){

return -1;

}

else{

while(!first.empty()){

second.push(first.top());

first.pop();

}

return second.top();;

}

}

}

bool isEmpty() {

return (first.empty() && second.empty());

}

};