First of all to implement queue using stack we have to take 2 stack we can’t implement queue using 1 stack but it’s opposite is possible we can implement stack using 1 queue

Now let’s come back to our topic

To implement queue we need 2 stacks

And in implementation code we have to implement queue for

Adding a element in queue add

Removing a element from queue

Displaying a peek element

And also checking the element in queue that queue is empty or not

Return true If is empty else not

now we will see the algorithm to implement this

1. Create two stack one is real and other is helper
2. Now we can see there are 4 functions push pop peek and empty and we have to implement all of them using stacks
3. Now first we will do push : now we check first if st.size()==0 st.push(x) like first ly we have a single element 1 to push so by first condition it will go in stack now we want to push another element in stack that is 2 so for pushing this in stack first we have to empty the stack and push all element in helper stack now push element in stack till helper stack becomes empty now in our stack elements from bottom like 2 then 1 and so on .
4. Now we will do pop operation so directly do st.pop() it will return 1 from above case
5. And in peek also this can be done.
6. For checking queue is empty or not we simply check by using if st.size()==0 return true else false