

Queues -2 Lecture-50

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Today's checklist

1) Interview Questions based on queues



Ques: Reverse first K elements of a Queue

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3	ч	5	6	2	t



Steps = for loop > K clements pop 2 purh into stack St me u pop & purh to queue

Ques: Number of Students Unable to eat Lunch



```
Start end {1,1,1,0,0,13
```

```
stard en { 1,0,0,0,1,13
```

```
Count = $ $ X X $ bx 23
```

```
int count = 0;
while(q.size()>0 && count!=q.size()){
   if(q.front()==sandwiches[i]){
       count = 0; // VIMP
       q.pop();
       i++;
   else{
       q.push(q.front());
       q.pop();
        count++; // VIMP
return q.size();
```

```
Medium
```

Ques: Number of Students Unable to eat Lunch [LC - 1700]

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SKILLS

Push Efficient approach

🛞 SKİLLS

Ques: Implement Queue using Stacks

puch -> st.push() -> 0(1)

pop -> remove b return

the bottom ele

o(n) of st

push Pop

2 stacks

0(n) of st 0(n) front back

[Leetcode - 232]

bush (1)

bush (2)

bush (3)

buch (4)

pop()

Pop

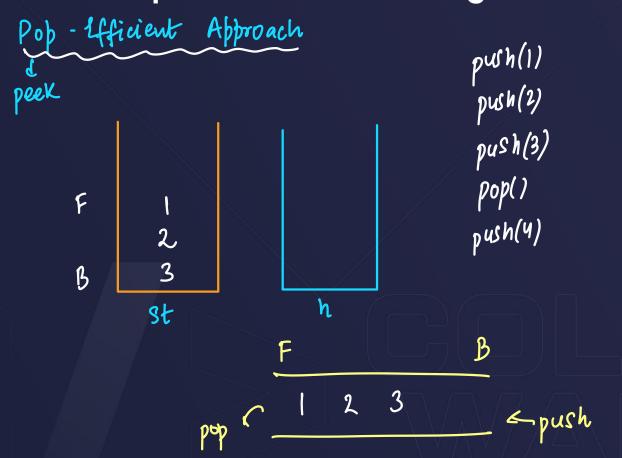
front back

push

h

Ques: Implement Queue using Stacks

[Leetcode - 232]



Ques: First Negative in each window of size K

$$arr = \{0, -1, -2, 3, 4, -5, 6, 4, 7, -8\}$$

ans =
$$\{-1, -1, -2, -5, -5, -5, 0, -8\}$$

Ques: First Negative in each window of size K

$$arr = \{0, -1, -2, 3, 4, -5, 6, 4, 7, -8\}$$

itK

and =
$$\{-1, -1, -2, -5, -5, -5, 0, -8\}$$