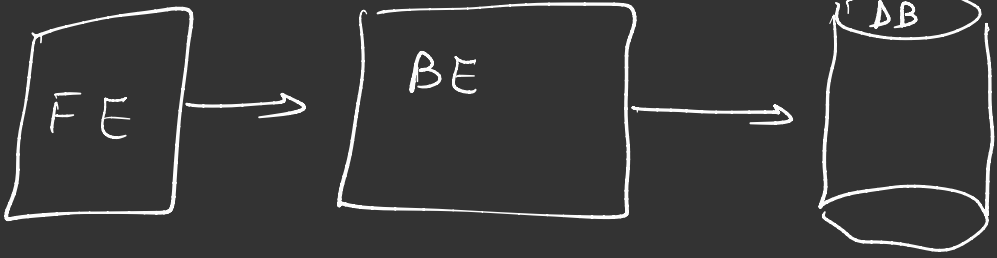


Ques Print first non repeating character in a stream

a b c a b d e d e g a  
a a a b c c c c c c c

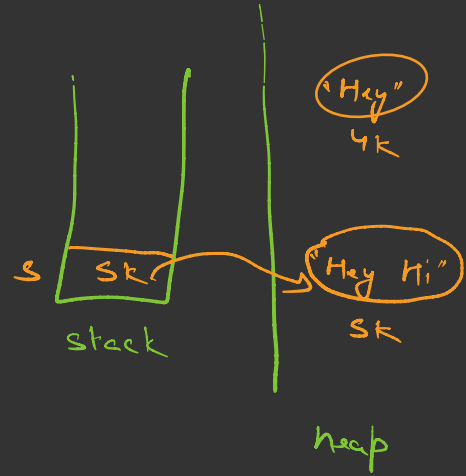
b c

a	x2
b	12
c	1



String  $S = \text{"Hey"};$

$S = S + \text{"Hi"};$



Ques

Max

1 3 -1 -3 5 3 6 7  
0 1 2 3 4 5 6 7  
s e

k=3

3 3 5 5 6 7

7 | |

max = 3

- ① Remove smaller from end
- ② Add current element

② Sum of every k sized window

1 3 -1 -3 5 3 6 7  
e

k=3

3 -1 1 5

sum =

~~1~~  
~~3~~ ~~1~~ ~~1~~ ~~1~~ ~~2~~ 5

③ First -ve of  $k$  sized window

2 3 -1 -7 4 -3 6 8 -2

0 1 2 3 4 5 6 7 8

s

e

$k=3$

-1 -1 -1 -7 -3

1 15

2 3 5 8