Tsliding	Window
1. Identification:	b might have to use
1. Identification: - W	ding window it :-
<i>⇒</i>	
OUR Subarrang	targest max", min
string + Substring	+ etc
+ K = wi	indow fize or need to be
( gň	calculated.
C gri	
2. Types:-	
Stiding	Window
	Variable
Fixed	Varadace
→ bixed window size.	→ No window size is given
K -> fixed size	K -> Variable size
0	
	→ We might have to
	calculate largest
	window emallest window.
	( acc to some cond given.

"Need to calculate k'.

I. Fixed size window Problems: -
Ď
(1.) Max <sup>m</sup> sum in suboveray of size 'K':-
012345 let K=4
1 ^
$size \Rightarrow (i-i)+1$
-> le + 100 o 100 o the o 100
-> Start 'i' > 'i' from 0th index
etat aura (1) till 40 laised indeed
- your monny when the disorder window
I start moving 'j' untill the desired window size is arbieved. Maintain this size now.
> Mouse the Midies indeed a second in the
-> Move the Miding windows according to the cond' in the question.
Ona m the guestion.
A Nove de la constante de la c
operations on the worrent window
1++ j++
(endo)
psendo > while (j < size)
veep colulating
Sum = sum + wir [i]; y sum while
Sum = SUM + WOI [], monny

```
4 (3-1+1 < K) {
            1 j++;
           else if ((\hat{j}-\hat{i})+1==K)
Move the
wirdow,
              max = Math. Max (sum, max);
but first
remove the
              Sum = Sum - and (i);
'i' the element
from the
             1°++;
prev. sum.
           return max;
 2. First (-) ve integer in every window
     of size k?
         int ans; int[] greve ( ) re no(s) in
       = while (j' L size) of FIFO order
      o>[i](0)
       of que add (on[i]) - colculation - - - >
              if ((j-i)+1 (k) of
                Ű++;
             else if (j-i)+1 == k
                  1 -> Contendate ans.
```

2 -> Slide the window

if (green.eize() = =0)

ons.add(0);

else {

ans.add (green(0))

if (arr[i] (0) {

green.pap(0)

i++;

y++;

return ans;