- 1. Ascending Print Recursion >
- 2. Fibonacci
- 3. Binary Search Using recursion  $\checkmark$
- 4. Sliding Window
- 5. Count Pair Sum
- 6. Reverse a String(If time Permits)

1

fun(2)

fun(5)

main ()

fun(5)

2 Pibonace

$$F_0 = 0$$
,  $F_0 = 1$ 

tun(n-1) So.P

1 2 3 4 5

0,1,2,3,5,8,13,21,44,55,89...  $\int F_n = F_{n-1} + F_{n-2}$ function-> fib(n) > sterms us fiborciófn | tib (m) = fib (m-2) / Billy (4) = fiel3) F fib (D) till of

 $B \rightarrow fil(n-7)$   $C \rightarrow fil(n-2)$ 2 Cases to pop () from Stock (D) > eiteen the ferminating condition surs. (2) > function is completed

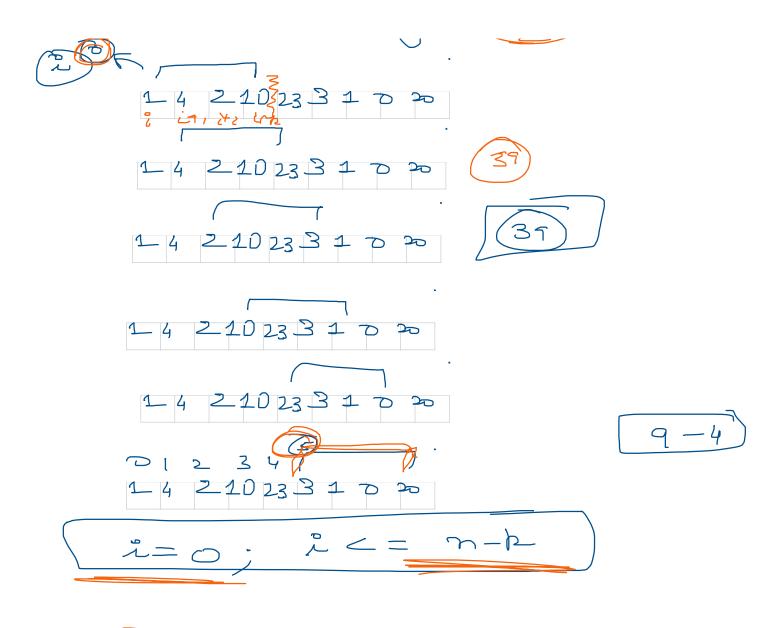
3 10, L 20

sproach-1

Max Sam of & consecutive elements in the average (31)

$$\frac{-1}{142102331700}$$
Size= $m=9$ 

$$k=4$$



( m t) 1 4 2 1 (23, 13 1 7) 20 enn 1-> Find sum of first windows ino into landing

2 > Subtract fish ellement, wow war, ~ 3> Save the max -8 mm anter loveis 50 75 80 20/35 Doch of there exist 2 no volose sum is 95 (90 < sequised) ( 100 > squised) > setum for

Friendian at end of Array 3 4 5 0 1 yth value = 10 avest 3] = 10) If array filled 3/4/5/10/20 95/10/20/30