7 :05	Topicus I_ Sub arr Intro
750	2-# of subarrs
	3- print subarr
Please Keep	up with 4-sum of each subarr
the assign	T-\West of Color of
<u> </u>	5-total sum of all subarr
	Subarray: a continuous part of an array
ex	a 4 1 2 3 -1 6 9 8 12 11 6 6 7 8 9 10
	0 1 2 3 4 5 6 7 8 9 10
	① 2,3,-1,6 ② 4,1,2,,11,6 √
	3 11 C 4 1 x andre (1) 4 1 100 x
civole	3 11,6,4,1x extra 4 4,1,100 x
order	5 8,9,12 x sime 6 9
	element
	2 4 1 6 -3 7 8 4 ×a11,6,8 ×b11,4 c)6,1,4,2×
Quiz	0 1 2 3 4 5 6 7 17.8,4
Ouis	3
Quiz	4 5 1 9 0 2 3 5 a) 5 b) 4.5,1,0 x angal
	0 1 2 3 4 5 6 7 (c) 9,0,1,3 d)4,5,1 ans?
	How to identify a subarray?
<u> </u>	
e	4 2 10 3 12 -2 15
	1) Start Index, End Index (S,e) SSE
	S
	2) Start Index, length of sub arr. 3,3 Start Index, length of sub arr. 3,3 Shill end Index
	(2) Start Index, length of whom: 3,3
	S, S+1-1
	end Index

number of subarrays of a given array start from index i. Quiz Quiz ans=6 and=7 total number of subarrays of a given array 1+2+···+(n-2)(n-1)+ n $=\frac{N(N+1)}{2}\sim O(N^2)$ n-1 $\frac{7x8}{2} = \frac{56}{2} = 28$ = and n = 7 Quiz

```
Print specific sub array
        p1 void print Subarray (int start, int end, int a[]){

for (i = start; i <= end; i++){

print (a[i]; ")

0(1)
TC:()(v)
SC:0(1)
                  print("In")
         PZ Print all sub-arrays:
                                                                        Jei
              as{4,1,3,6}
                                                 1,1
                                                       1,2
                                                              1,3
                                                       2,2
                                                              2,3
                                                              3,3
              void printAllsubarrays (int a[])
Quiz
                  nza.Len
                  for(120;1<n;1++)
Tc:
SC3
                       for ( k=1; k<=J; k++){
    print (a[k]+" ")
                        print ("In") " new line
```