Subarray 400 - final voled Intervals. Approach:
whe a sliding window / two printer styll with GLD tracking: I tenate over each possible starting index i. I to each ; from i to n-1 Compute current GCD = gcd (current GCD, A[j]) It current GCD < k -> break If current GCD == k -> increment count
The state of the s
Codes
Public class Subarray GCD (.
jint (ount = 0;
footlint i=0; i < n; i+t) <
int current(co = 0;
for(int j=1; j c m; j++) <-
current GCD = gcd (current GCD, A[j]);
if (current GCD < k)
breek;
if (current GCD == k)
count ++;
3 Comment of the contract of t
3
Metion (ound;
3 AND
3.
The fall bloom of the second s

	Date .	-13
	Date:	-1_
	Drug Run:	
	i=0.	
	1 = 0 -> count =1.	
	$j=1 \rightarrow count=2$	/
	j-2 - 2 count = 3	
	j=4 - = court=5	_
-	i=1: Maringin ton a Online	
	j=1- mGCD(0,4)=4	
	$J=2 \rightarrow count=6$	10-1
	$j=3 \rightarrow count=7$	
	y=4 → count=8.	
-	j=2.	
	j=2 - GLD(0,6)=6	
	$J=3 \rightarrow count=9$	
Service Control of the last of	3=4 - count=10.	
-	1=3	
The second	J=3 -> (aunt=1)	
	1=4 3 count = 12	
-	1= 4 . 1 . 1 . 1 . 1 . 1 . 1 . 1 . 1 . 1 .	13
	j=4 -> 4(D(0,8) = 8.	
12 2 2	Court deaches = 12.	
2 2 3		
	H. A. L.	49
1784	Time compexity: o(NlogAmor)	THE
(2) 3 h b	Clare and the control of the control	
	Space complexity: 0(1)	
Harris .		

```
Date:__/__/_
 Lump Game Minimum steps
 Approach:
maxReach = 161, steps = 1 FoI, jumps = 1
At each position:
        update maxheach.
         Consume a step.
         otherwise inversent jump 4 tes et steps from now max had
         If no step left: break
 Java Codo:
          if (N==1) roturn 0;
          if (J[o] == 0) determ -1;
           unt markeach = 1[0];
           int steps = I fal;
           and jumps = 1;
        forlint i= 1; i < N; i+1) <-
           if (i == N-1) 1 min A hour -
           notuan jumps;
       maxReach = Math max (maxReach, i+ sli);
              Steps--;
             if (sleps ==0) c.
               jumps++;
            if ( i'z = maxReach)
             return -1;
            sleps = markeach-1.
       refush -1;
```

Dry Run:
$\max keach = 2, steps = 2, j'umps = 3 -$ $\rightarrow i = s$
morkeach = mox(2, 1+3) = 4
Steps = 1
\rightarrow $\hat{i}=2$.
$\max R \otimes ch = \max (4, 2+1) = 4$
steps = 0 - need to jump
$ \frac{\text{j'umbs} = 2}{\text{if } 1 > = moxReach} \rightarrow no(2C4) $
Steps = 4-2=2
= 1=3. Steps = 7. Ale Charles A des Toll 1 H
max Reach = max (4, 3+1) = 4-
Steps = 1.
- 1=4 Amin the
max Reach = max(4, 4+4) = 8
steps=0 -> need to jump.
jumps = 3 - danu manta
if (i > max heach -> no (4 < 8)
steps = 8-4=4-
-) Î= 5
Aldeady reached last Index
Journal Jouena Cast ghall
THE PROPERTY OF THE PARTY OF TH
E 1
Time: O(N)
Spau!