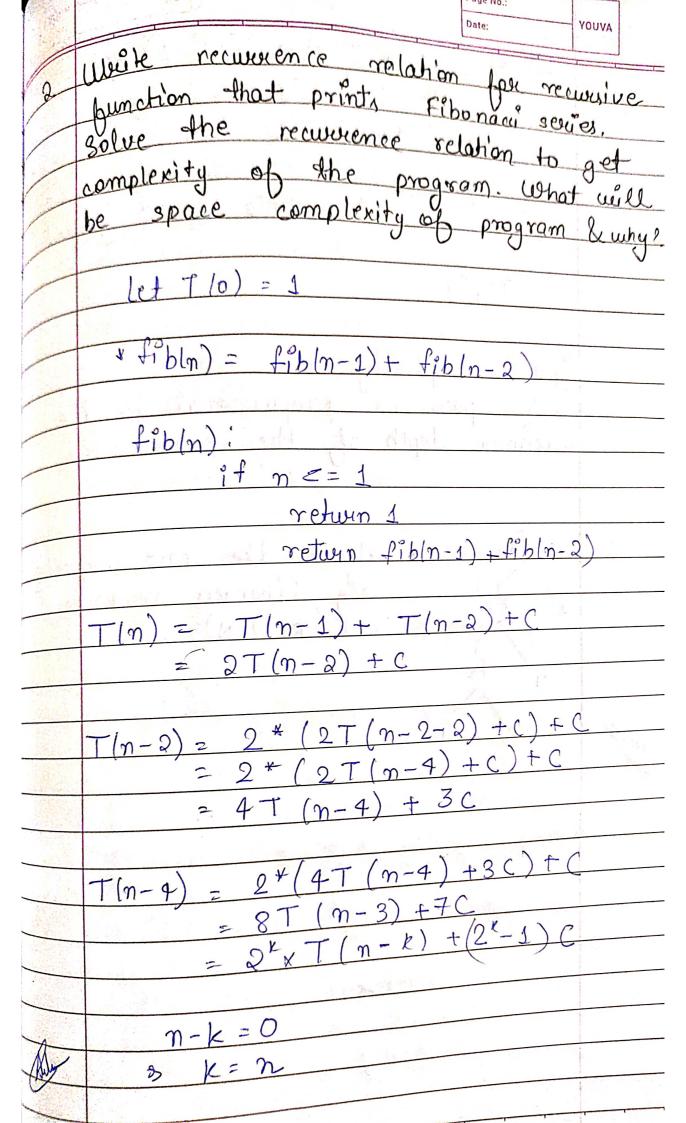
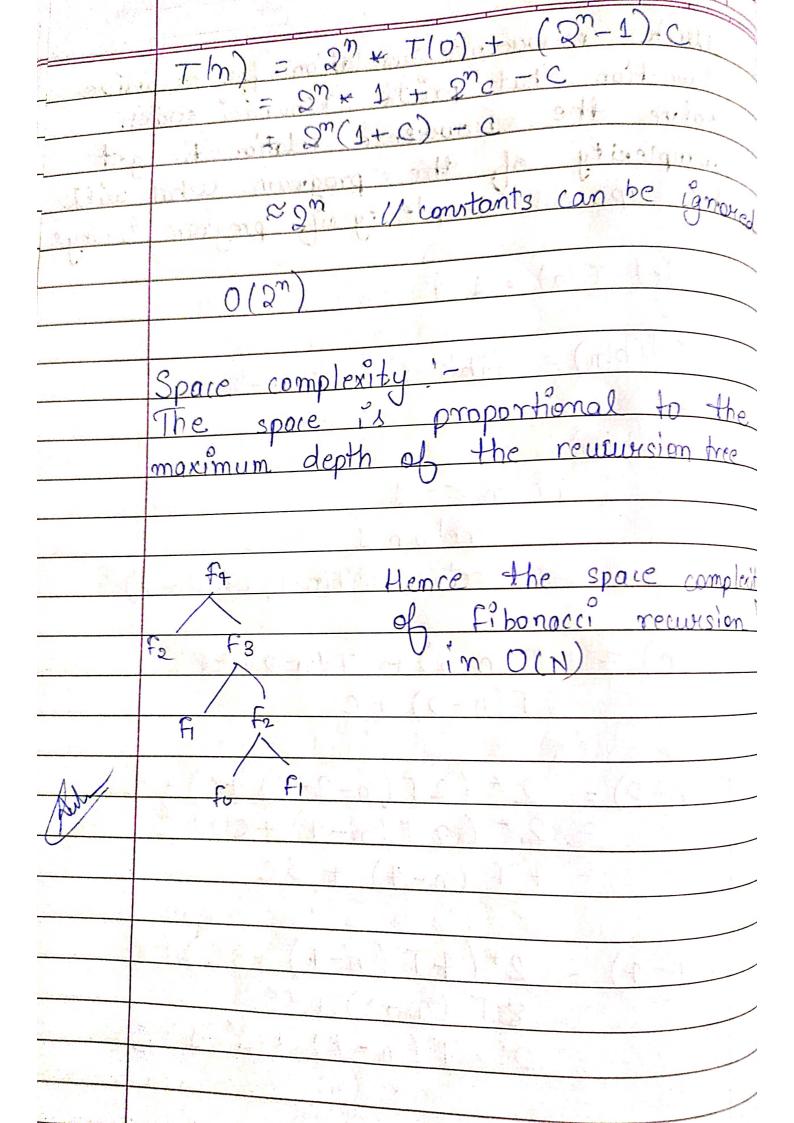
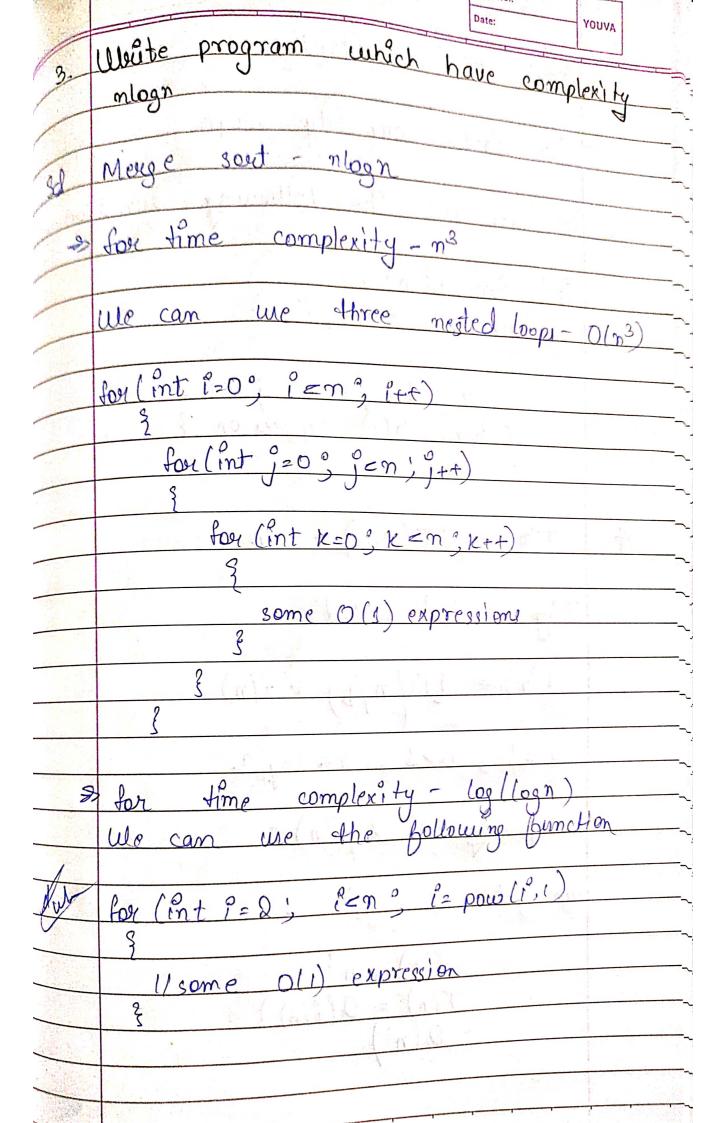
	Anshika Semwal	Page No.:	1
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Marine Marine Company	Tutotial-2	odil to	No.
		r) #7	
	. 100	0,000 1 01	
(h)-	What is the time	complexit	4 0
<u> </u>	. 0		Jof
proper details and the second of the second	below code & how.	diff nut	
	void fun (int n)		
	$\frac{3}{100} = \frac{1}{100} = \frac{1}$		
the same of the sa	while (i < n) ?		
	0 0 0 .		
	1=1+1	35.1	
	1++;	The state of the s	
	}		
	3		-
	2	10 II	
	Time complexity 0 (sq	nt n)	
	7 7 (0)	The same of the sa	
	15+ 10 0		
	I time 1= 1		
	2 time 1= 3 1-11	2	
	3rd time = 6 = 1+	2+3	
	1 = 1+	273	
,er	nth time i= n(n,1)		
	nth time $i = n(n+1)$		
	2		
	2		
	$\chi^2 < n$		
		No. of the second	
2	V	A CONTRACTOR OF THE CONTRACTOR	
	1 = 3grt (n)		
A second			
Barrie De Star		4.0	







	tonto		
	Whe Ki i constantion		
	for time complexity nlogn		
u	de can use the following function		
	210 10 to 1 S		
for (i=1) i=n; (++)			
	fou (j=1) $j = m$, $j + = i$ } some $O(1)$ expression j ?		
3 some O(1) expression }}			
(military property of the state			
4.	T(n) = 2T(n/2) + cn		
Usi	ng master's method		
T(n) = QT(n/b) + f(n)			
$a \ge 1 b > 1 c = 100 a$			
13	and the substitution of th		
com	paring n° & f(n)		
1			
0)8	$get C = log_2^2 = 1$		
$f(n) > n^{c}$			
T(n) = O(c(n))			
$= Q(n^2)$			
comparing $n^c & f(n)$ we get $c = log_2^2 = 1$ $f(n) > n^c$ $T(n) = O(f(n))$			

