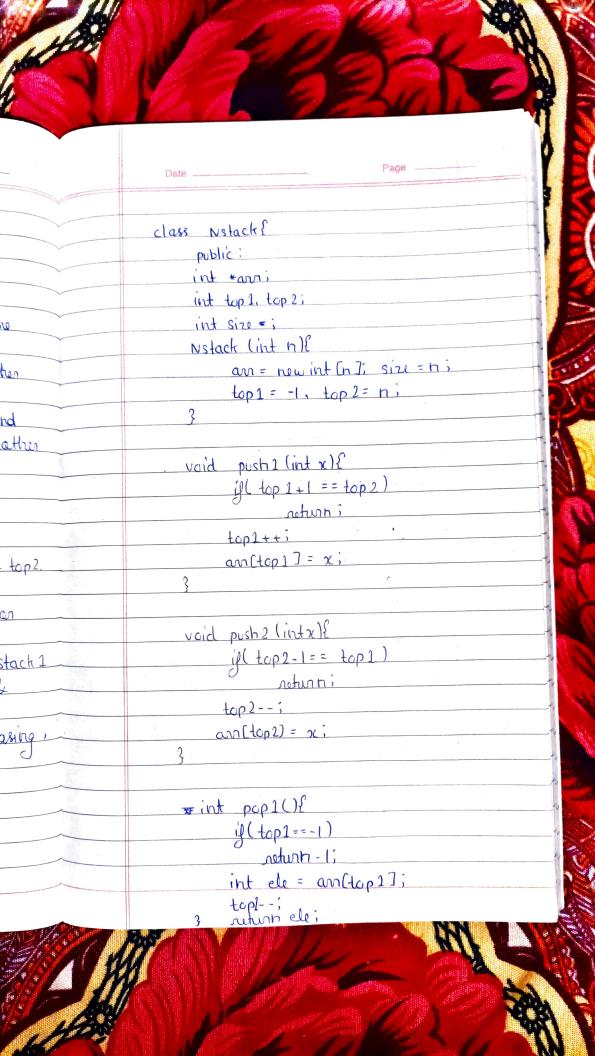
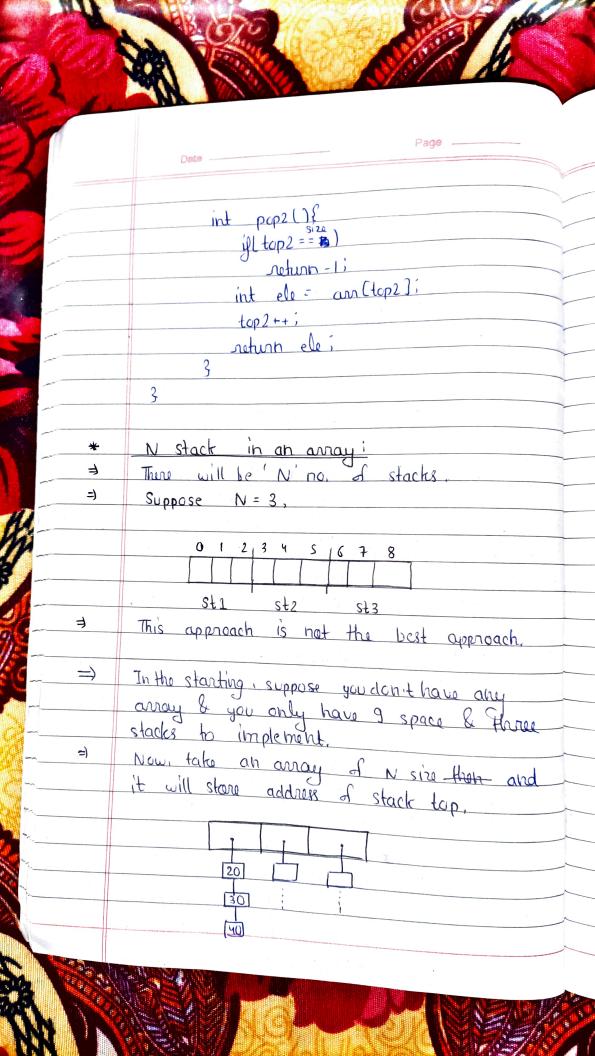
Date Day - 141 Stack - 7 Implement two stack in an array: So, we can do that, we will divide the * \Rightarrow array in two parts -One for first stack & second for another But if we want to insent an element and that half of array is full but another half is empty, we can't insent the element into it. So, this approach will not work 7 J Now we will take two painters top 1 & top2. top 1 at stanting & top 2 at end we will use top I for stack 1 & top 2 for stack 2. If any element wants to come in top stack? 7 than first we will increase the top1 & then push the element. Same for stack 2 & in place of increasing we will decrease by 1 Code





	Date Page
7	we will take size variable to check available
1	s pace.
عا	If space is available then we will push doment
	otherwise not.
-	
4	Now according to our question, we have to stone
	element in array.
	Code
	class Node{
	public?
	int index;
	Node * next;
	· · · · · · · · · · · · · · · · · · ·
	Node(int x){
	indox = xi
	next = NULL;
	3
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	}
	1
-4-	class Nstack&
	int *anni
	Node * * Topi
	stack (int > st;
	STOCK THE
	NStack (int N, int S) {
7	arn= new Int[N];

Page Date L Top = new Node*(N); farlint i=0; i < N; itt){ Top(i) = NULLi for (inti=0; issilea) st. push(i); bool push (int ic, int in)? if (strempty ())
return 0; am (st. top()] = x; Node * temp = new Node (st. top()); temp - next = Top(m-1); TopCm-1] = temp; st. pop(); return 1; int poplint m){ if Top(m-1)== NULL) return -1; St. push = (toplm-1) -) inday int element = [Top[m-1] -> index]; Top Cm-1) = Top(m-1) -> hext; noturn element;