Lob Program -1 Dete.



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	1	write a program to simulate the
		working of stack using an array with
	and the same of th	the following:
	A SECTION AND ADDRESS OF THE PARTY OF THE PA	Push b) Pop c) Display
	a)	The program should print appropriate
		messages for stack overflow, stack
		underflon.
		11 Harray implementation of STACK
		#include <stdio-h></stdio-h>
	4	#define SIZE 10
	-A-	
-	100	int arr[SIZE];
-	The state of	int top=-1;
-		
	* 4	inoid push (int x) ?
		if (top == SIZE-1) {
		printf ("Error: The stack is full in);
	S at 1	neturn;
	bAt -	Jana Land Land
ann an an an		cur [++top] =x;
(processed)	<u>k</u>	3
Service Color		
		word pop () {
		if (top ==-1) {
		printf ("Error: There's no element
		in the stack to pop. In's
		neturn;
	7	
-		top: top - 1;
-		
_		$\sim 10^{-1}$
_		void display () 2 if (top ==-1) 2
1		if (top==-1)2
-		printf ("There is no element left in the stack to clisplay. \n'");
		the stack to display (n');

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I - maniforit for (int i=0; i=top; i++)? prints ("/d)n", arrlid); return; int main () { int n, ele, i; while (i!=1) { printf ("select the required option. In I. Push In 2. Props In 3. Display n 4. Exit \n"); scanf ("/.d", fn); prints ("Enter the element to be pushed / added to the stack (n'); scanf ("./.d", Gele); else if (n==2) { pop(); else if (n == 3) { return 0;

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