classmate 18/12/23 1. While a program to similarly the working of a stack using an away with the following: a) Push b) Pop c) Display #include < 8+dio.h> #include < Stdlib b) # define N 5 int stack [N]; int top = -1; void pun 0 ? 4 (top == N) print ("Gack Overflow"); print ("Bore the element to be insuked") scanf (" 1.d', (x); void pop() { uf (top == -1) { print (" Stack Unduflow"); else ? 4. Stack Etop7; print (" The element deleted is 1.d", y)

void display () & print ( "Stack is empty"). print ("The elements in the stack are;"). for (iN; 1>20;1-) grints ("-1.d", stack [i]); void main () { while (1) { int choice; Print C'Enter your choice: \n1. Push \n2. Popl8. Dep n 4. Exit "). scarf ("/d", 4 cho/ce); Switch (choice) case 1: push(); Dreak; case 2: popl); break; case 3: display (); Drieak: case 4: exit(1). Drook; default peint (" Invalid Input");

	3
	4
	4
010	Enter you choice:
(1	1. Push
	2. Pop
	3. Display
	4. Exit 1
	Enter the element to be inserted t
	Enter your choice:
	s. Push
	2 Pop
	3. Display
	4 · Exit 1
	Enter the element to be inserted 5
	Entu you choice
	1. Pop
	2-Rush
	3- Display
	4. Exit 3
	The elements in the stack are: 00054
	Enter you chola:
	1. Rush
	2.101
	3. Display
	A. Exit