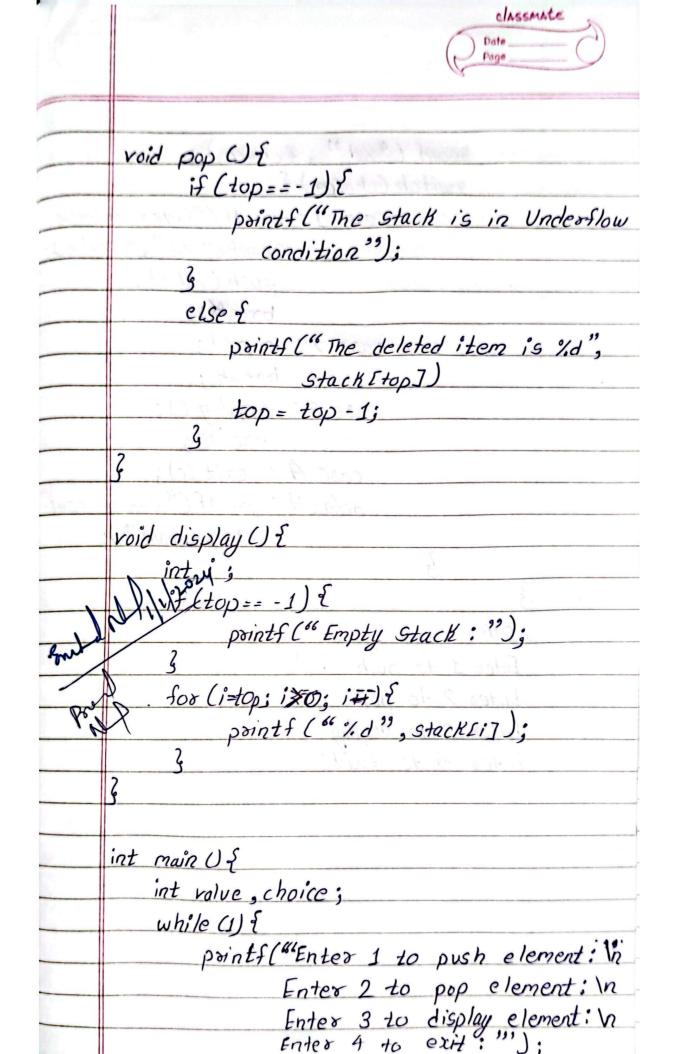
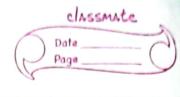


LAB-2

	LHB-2
*	Write a program to simulate the working
	of stack using an array with the following a) Push
	b) Pop
	c) Display
	The program should point appropriate
	message for Stack overflow
	De l'Il exa suntil is in
=>	
	# include <stdio. h=""></stdio.>
	# define Size = 5
Marca	void push (int);
	void pop ();
- 12c2	void display ();
10-16	int Stack [Size], top=-1;
V 3000	roid push (int value) {
	if (top == Size-1) {
	point f ("The stack is in Overslow
Who I	condition");
	2 (1-3) (1 (2) (1) (1) (1) (1)
	else {
	top= top 1;
	Stack[Stop] = Value:
	3
	printf ("Insertion successful");
	30 De la
	3 SELLE CONTRACTOR OF THE SECOND SECO
mental and a facility of	100000000000000000000000000000000000000







Scarf ("%d", Achoice); switch (choice) { cose 1: printf ("Ender a value."), Scarf ("%d", A value.); push (value); break; case 2: pop(); break; case 3: display(); break; case 4: exit (o); default: printf ("wrong input- try again"); } olp Enter 1 to push Enter 2 to pap Enter 3 to display: Enter 4 to esoit;		Page
Switch (choice) { Cose 1: printf ("Frder a valve:") Scanf (" ", d", f valve); push (valve); break; case 2: pop(); break; case 3: display(); break; case 4: exit(o); default: printf ("wrong input- try again"); } OIP		
Switch (choice) { Cose 1: printf ("Frder a valve:"); Scanf ("",d", f valve); push (valve); break; case 2: pop(); break; case 3: display(); break; case 4: exit(o); default: printf ("wrong input- try again"); } OIP		scarf ("/d", f choice);
Case 1: printf ("Ender a valve:) Scanf (" % ", f valve); push (valve); break; case 2: pop(); break; case 3: display(); break; case 4: exit (o); default: printf ("Wrong input-try again"); 3 0/P		
Gearf (" ", 4 value); push (value); break; case 2: pop(); break; case 3: display (); break; case 4: exit (o); default: printf ("wrong input- try again"); 3 0/P	No collec	
push (value); break; case 2: pop(); break; case 3: display(); break; case 4: exit (o); default: printf ("wrong input- try again"); 3 olp		
break; case 2: pop(); break; case 3: display(); break; case 4: exit(o); default: printf ("Wrong input- try again"); 3 o/P		
case 2: pop(); break; case 3: display(); break; case 4: exit(0); default: printf ("wrong input- try again"); 3 0/P		
break; case 3: display (); break; case 4: exit (o); default: printf ("wrong input try again"); 3 0/P		
case 4: exit (0); default: printf ("Wrong input- try again"); 3 01P		
case 4: exit (0); default: printf ("Wrong input- try again"); 3 01P		case 3: display ();
default: pointf ("Woong input- toy again"); } 3 01P		break;
toy again"); 3 01P		
3 010		
		try again");
		9
		5
Enter 1 to push: Enter 2 to pop: Enter 3 to display: Enter 4 to escit;		
Enter 2 to pop: Enter 3 to display: Enter 4 to esoit;		Enter 1 to push:
Enter 3 to display. Enter 4 to escit;		Enter 2 to pop
Entes 4 to esa't;		Enter 3 to display.
		Enter 4 to esciti
	7 1	
A Thorn a second	La Mara	

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C:\Users\bmsce\Desktop\1BM × + ~
Enter 1 to push element :
Enter 2 to pop element :
Enter 3 to display element :
Enter 4 to exit :
The Stack is in Underflow Condition !
Enter 1 to push element :
Enter 2 to pop element :
Enter 3 to display element :
Enter 4 to exit :
3
Empty Stack !
Enter 1 to push element :
Enter 2 to pop element :
Enter 3 to display element :
Enter 4 to exit :
```

```
Enter 2 to pop element :
Enter 3 to display element :
Enter 4 to exit :
Enter a value : 12
Insertion Successful !
Enter 1 to push element :
Enter 2 to pop element :
Enter 3 to display element :
Enter 4 to exit :
Enter a value : 32
Insertion Successful !
Enter 1 to push element :
Enter 2 to pop element :
Enter 3 to display element :
Enter 4 to exit :
32 12 Enter 1 to push element :
Enter 2 to pop element :
Enter 3 to display element :
Enter 4 to exit :
The deleted item is 32 Enter 1 to push element :
Enter 2 to pop element :
Enter 3 to display element :
Enter 4 to exit :
```

