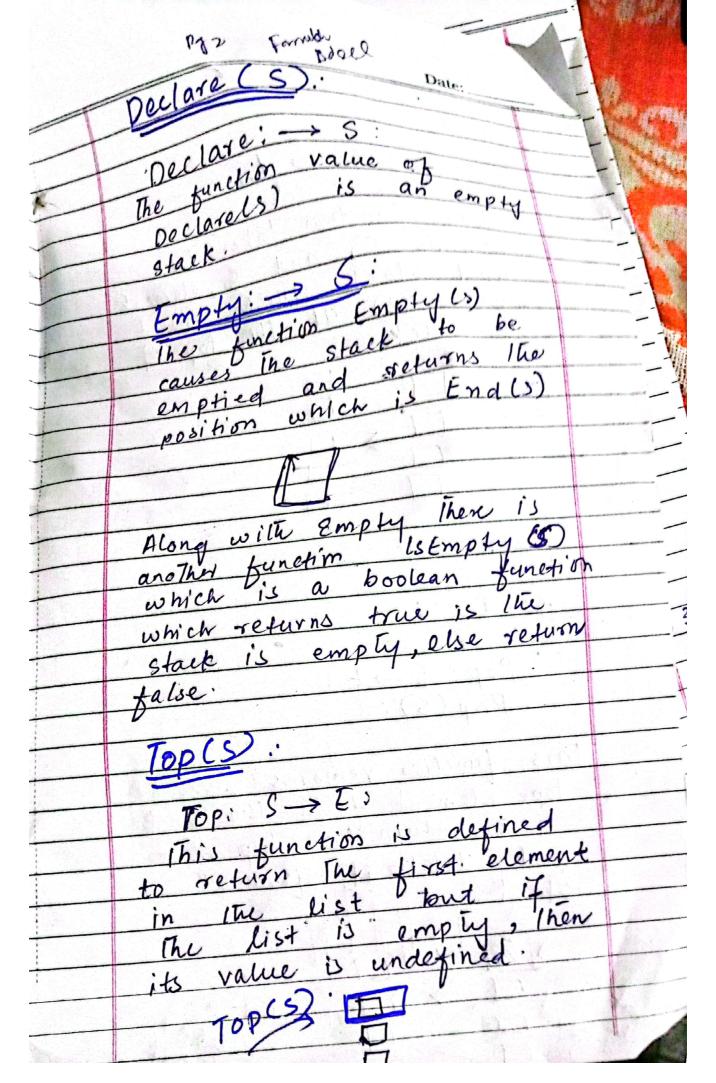
Pf. Familia pole Q. 1. Intrite the definition of the following functions for the following functions for the implemented functions A implemented functions The implemented functions The implemented functions This prince hist. — DEC LARE(S) — Empty(S) — Top(S) — Push(e, S) — Push(e, S) — Pop(S). Retrieve (First(s), S), pelete (First(s), S). STACK: (Special type of list) Stack is a linear data structure which tollows a particular order in which the operations are performed. The order may be LIFO of (Last come first out) or FI to (First come (ast out).		
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operations are performed. The order may be LIPO of (Lost come first out) OR FIED (First come (ast out).	particular order in which the	
(Lost come first out) or FIED (First come (ast out).	operations are performed.	
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stack (First come (ast out).	(Last come first out) OR FIED	
stack of All Flast in	(First come last out).	
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	Push (0,5): Date:	
	Duch (0,5):	
	- Asia (c)	-
	Push: EXS -> Li	
	D / / ()	
	This tunction takes two	
	arguments e, and S, element and Stack which insert	
	and Stack which insert	
	element (e) at the top of	
	element (e) at the top of the Stack.	
-	E CANDON ALANA	
	Q P	
	but to the first of the first o	
	Pop (5):	
	Pop(S):	
	Pop (S)	
	This function removes the	
	top element from the Stack. i. e, return the top element	
	delete in the top element	
	and delete it from the	
	3, m	
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•	boulder D deteled	,

	Mill Emily Date
annapark.	
1	Implementation of smooth in copy using Linked Lists:
and the second	con using united
	to construction
	using namespace many
4	uped struct Noac
	5
	Node knext;
	3 Node;
•	3 Node; Class Stack
	3,
	Private.
	Node Atopi
	int Max-Size;
	int size=0)
	public:
C.	void Peclare (int size)
	3 Max-Sizez Size;
	top = NULL;
	Contra e Stack Created · In9?;
	3
	void Push (int data)
	2
	if (size) = Max-size) 2 coutce ce Stack is full "icendi"; }
	2 Coutce Stack is full "Ecendle") 3
	else
	2 Mode *temp;
	temp= new Model)
	tempo data = data;
	temp->mext=top;
	top = temp; Size tt;
	Contre Element pushed into the Stack (nº?)
	3 3

P75 Famille Date:
 Mys Par Mac
Void pope
13
if(size==0)
2 contre Stack is empty? Leands?
olse
2 Node * lemp;
lemn = to D'
tom = temp-) next,
top = temp -> next; temp -> next = NULL;
delete temp;
Sizei
contre "Element removed from Stack / "
3
3
void Top ()
3
if(812e=20)
3 contre Stack is empty (n'); 3
 fle
 3
 coutee Top element is= "top-7 data Len
 3
void sizel)
contac The Site of The Stack 15 cosition
2
Moid Empty ()
2 Node * femp;
tempz topi
temp z top; delete temp;
top= NULL;

Py 6. Formalial Date	
Void ohisplay ()	
3	
if (size===0)	
2	
contre " stack is empty la";	
contact stack is empty in	
[] 3	* 4
Olse	
3	
Mod & Lemp	
tempz top;	
while (femp1 = NULL)	
3	
contic temp-) datece,	
temp = temp-> west;	
3	
3	
3	
3.	
3) in main ()	
3	
int choices ithem, s;	
Start 8;	
while (1)	
consur stack operations "'>cendi,	
contré 1. Declare Stack " Mend!	
contrêd. Push Element & Mend?	
contac's, pop Element "icendl')	
antie" 4. Disolar Chieb "> Leendby	
contros. Empty two stack " " wind!	1
courte 6 "SIDes Slack ruend")	ing the second
cont ce -8 - auit In 9. Enter your choic in)

m. s. le	
Pgg Fande Dund; Date:	
cinzo entre choice;	
Switch(choice)	
3 case 1: confic "Entre Size of Stack";	
ain 77 Sj	
S. Declare (S);	
break;	
cased:	
course" Entil value to be pushed "?	
Linnifem,	
s. push(item);	
break,	
Case 35.	
9. po p()	
break;	
ansely;	2
S. Display();	· \
break;	
Case 5; S. Emphy();	
break;	1
case 6;	
S. 5130 (D)	
break;	
case7: S.top(); break;	
case 8: return 0;	
break)	
default!	
contice" Whong Choice" ceendli	
3	
3 refurno;	
3.	