Neck-2 NAP to simulate the working of Stack using an alway with a Push & pop Odispay The program appropriate messages for stack of overflow and stack underflow define STACK_SIZES

int top = -1;

Void push (int item, int S[], int * top if (* top = = STACK_SIZE-1) print (" stack overflow n"); int deleted_tem; plint (" Stack underflow Cannot delete ");

Scanned with CamScanner

Void display (int top, int S[]) int (i) = = -1) return; "Stack is empty \n"); for (i=0; i = top, i++)" 3 prints ("% of od \n", s[i]); Void main () int item, 5[10]; int deleted_ item; int choice; drscr(); peint (" In 1: Push In 2: Pop In 3: display in heint (" Enter your Choice In");

Scarf (" o/d", & Choice);

Switch (Choice) Case 1: prints ("toter the item to be inserted h");

Start (" ofod", & item);

push (item, 5, & top);

break; Case 2: deleted item = pop (5, & top);

if (deleted item != 0)

print ("\item deleted is "/od n", deleted item);

break;

Case 3: display (top, 5)

break;

default: exit (0)

3

getch ();