of # waite a program to simulate the working Of Stack using an array with the tologo a. Purh b. Pop . digplay
The Program Should Pried appropriate mer
-agen for stack oresitlan and advited #include (stdio.h) #include (Stollib.h) # define STACK\_SIZE 5 int top=-1; 160100h.main mai int SCSTACK\_SIZE) : 1000000 int item; word purha & round of the if (+0P == STACK-SIZE -1) { Point ("stack Overflow (n"). return in the state of same top = top+1; ( along a diff S[top] = item; ain+ popcott some harmy E (molly of (") & man if (+0P == -1) & return -1; return sctop--); & Clover baldon malling roid display() if (top == -1) } Printf ("Stock in Empty In"); return;

```
Point ("Contents Of the stack: In")
for (1nt 10=0) 12=+0P3 (++1) .400+3 NO
Printe ("Valn", sci))
 4
  int main()
  int item-deleted;
     int choice; on the sound of the
  forci;)
     Point ("Ini: Purh in2: Pop in3: Display)
     Exit(n)
     points ("Enter Your choice: ");
     Scant ("Y.d", & choice);
     Switch (Choice)
      · case 1:
         prints ("Enter the item to be insent
         scout ("Y.d", fitem);
         Push():
        break i la commo
       case 2'
         item-deleted = Pope;
          if Citem deleted == -1)
              Printf ( "Stack is empty 1");
     Clae &
               Printf ("Item deleted is idin"
                     Item_deleted)'2
```

on the same	the date of the sound of the state of the st
Christon	boeak in many super super a super su
	case 3:
	display();
	breat; cal powers & slowson it
	case 4;
	exit(o); () ()
	default;
	Print ("Invalid Claice Please toy again. In")
	2 3700/25
	3 (14/10011 1/10000000000000000000000000000
	segnon 0, 180132
	9 ((allers ) 1811 (as) 4) (as) 9
a es	CA CHARLAS OF SOME STATE OF SOME SOME SOME SOME SOME SOME SOME SOME
5	output bight
a	1. Purn 2- pop 3 display 4- Exit
Se /	Enter your choice:
10/2	Enter the item to be inserted; 23
0,	Enter Your Choice; 2
	Item deleteded is 23 (1/2-3)
	Enter Your Choice: 3 9 1100195
.,)'	23,23
	Enter your choice: \$3
	Stack is Empty
	enter 1000 choice 172 mi
	Stock Underflow, Stack is empty
	Enter your (Choice), and mi
	( House display ( * 6000) = 10 1938 + 8000/
	enteronrous choice: 1 = 1000
	Stack is overflow
	i - o xobni storie//this//
1	
	( don't !!! ( book! ) &!
	3
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