go write a program to implement stocks wang conted lest: Hinclude & stole b. h.> Program strict node ? Int data; struct node algert; struct node atop = 0' void puehlint val) 3 strict mode + neumode; neumodo: (struct node + Imalloc (size of (struct nod); neumode -> data = val; neurode ment : {Dp; top = newnode; void display () Estruct node \* temp?,

temp \* top?

of (top==0) ? printf ("stock is empty")?} vohile [temp 1:01 s printf [ ?/adla", temps data); temp - temp -> About. void pop(1 & stouct node & temp; temp: top;

ef (top==0) & printf ("stack cerderflow"); E printfl "poped element is "holl", topylot. top: top adnext, free (temp)? wid maint was to war deliver ? int choice, nom; printf ("Enter the operation : In I push to 2 pople notile (1) ? printf: [Type operation in] 3 printf ("oporation completed.In"); Equoitenchoice) () judgets to case 1 : printf (" Enter the number: /n"): scarf ["old", Enun? enquere (nom) Break is I stilled care? : dequeus ()-; pop (); breaking case 3: display (); default: printf("invalid in pet")

Mouspul! Moutput
enter the operation:

1. push 2 pop 3-display 4.-1 to stop

2. push 2 pop 3-display Guter the neamber: 5 enter operation: 1 Enter the number: 6 enter operation: Enter the number: 7 x days to Enter operation: 3 enter operation 2. poped element is 7. enter operation 2 poped element 19.6 enter operation 2 poped element is 5 enter operation ? stack anderflow enter operation -1
operation completed

```
C:\Users\bmsce\Desktop\22cs300\stackll.exe
 enter the operation:
 1.push
 2.pop
 3.display
 4.-1 to stop
 enter operation
 Enter the number:
 enter operation
Enter the number:
 enter operation
Enter the number:
 enter operation
 poped element is 7
 enter operation
 poped element is 6
 enter operation
 poped element is 5
 enter operation
 stack underflow
menter operation
```

inted list. Hindude «stalio.h) struct node Int data' 3 struct node & next; struct node & front 20; strict node = reas : 0! void enquelint n & struct node an enoughe' new node: (struct node 1) mallor (size of little but) newnode -> data: x: neconools & next : 0; if (front = 0 22 rear = 20)
3 front = rear = nownode; relse e { rear - next = neconade; rear: newnode; · presidences corporada void display () strict node \* temp?

If I front == 0 22 rear == 0)

E printf ("The Queue is empty low) else temp = front;

while (temp! so) printfl'of.d", temps data). temp = temp + next; void dequal! 3 struct made stemp; temps front; if I front == 0 82 rear == 0) print f (" Queue underflowin"); } print fl" dequeued element is/diti; front: front snext; void main () printf ("Enter the operation: Int. enquely & 2. deque. ln3. display 14. - 1+0 stop (n"); nohile (1) gearf ("1.d", & choice); if (choice: 1-1 ¿ printfl" operation completed In"); switch (choice)

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write case! " printf (" Enter the number: 10") sant (" of d', & noem); enqueue (num); break; case 2 . dequeue (); break; case 3: displayed; break default: printflitavalid inpulsi); ! tugtua!! enter the operation 1. enque . 2 dequeux . 3 display 4.- 1 to stop enter operation ! enter the number to enter operation! enter the number 6. enter operation enter the number 7 enter operation 3 5 il relementaring to the 19 19 19 Enter operation 2 dequeved element is 5 enter operation 2 dequered clant is 6

```
Lit C:\Users\bmsce\Desktop\22cs300\queuell.exe
 enter the operation:

    enqueue

 2.dequeue
 3.display
 4.-1 to stop
 enter operation
 Enter the number:
 enter operation
 Enter the number:
 enter operation
 Enter the number:
 enter operation
 enter operation
 deueued element is 5
 enter operation
 deueued element is 6
 enter operation
 deueued element is 7
 enter operation
queue underflow
```