```
#include <stdio.h>
#include < Stdlib. h>
struct node
int data;
 Struct node *next'
Wid insert ();
void del );
soid display- queuel
void push ?;
void pop ();
190id display Stock;
Struct mode *top=NULL;
Struct mode *rear = NULL *front = NULL;
int main (int argo, char ## arg v)
of int choice;
while (choice !=3)
& print f (" | m 1. Stack | m2. Queue | m3. Quit | n'9);
print f ("Enter your Choice: 39).
Scanf (66 Y.d? & choice);
if (choice ==1)
of printf (" |n --- stack --- |n");
int choice 1;
while (choice 1! =4)
```

printf/"/n1. Push /n2. Pop /n3. Dis play /n4 Quit/n39). printf 1" In Enter your choice: 33); Scanf (664, d" & choice 1); if (Choice 1 ==1) of push ()° 4 else if (choice = = 2 of pop(); gelse if (Choice 1==3) & display stack(); & else if T chaice == 4) of break' 444 else if (choice ==2 of printf ( 66 /n - - - - Queue - - int choice. while (Chaire 2! = 4) of printf/60 ml. Insert \nd. Delete \n4. Quit \n 39). printf | 66 /n Enter your choice: 95). Sant [ God d 23 & chaice 2). if (choice 2 == 1) Sinsert (); 4 else if (choice 2 == 2 { del / ); 4 else if (choice 2 = =3

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```
& display - greve ();
y else if (choice 2 = = 4)
& break;
 else if (choice = =3)
break;
& roturn 0' 4
void push ()
fint item!
Struct mode *knewnode;
 printf ("Enter the element: ");
  Scanf (60 7, d3) Gitem);
neumode = (struct node*) malloc/cize of (struct node);
newhode ->dota = item;
 rewarde ->next = NULL:
 if (top == NULL)
 top = newno de;
  new node -> next = top;
 top = new mode;
y void pop ()
Sif (top==NULL)
  prints ( castack is empty /200)
printf (" Element removed is 7.d \on" +
```

rear=new mode; 33

void del()

f it (front ==NUL)

2 printf ("Queue is empty \n"); return;

Lefulle (temp = Frant;

of paint [ (a. 1), d); temp -> data);

temp=temp - >next. Joid display - queue () else f ("Dollo bed ele is /, d) on "> fabrit ->dota); & printe l'é queue is Sprint ( " Queue is empty moss) fant-fant ->mext 4 olse front = NULL, Seas = NULL; if front = = NULL) comply mos).