```
8) Stock linkedlit Propan
  # include < stdio. h >
  # include <stalib.h>
  void push ();
  void pop ();
  void display ();
  stand node &
  int data;
  struct node *next;
  struct node *top = NULL;
  int main () {
  int choice
  printf ("(n<---- NENU ----> ));
  painty (" In < STACK LINKED LIST In??);
  painte ("In 1. PUSH In 2. BONISPLAY In 3. POP In 4. Exit >>);
  printf ("In Please pick your choice: ") 3
  scanf (" 10 d", & choice);
  switch (choice) {
  case 1: push (); break;
  Case 2: display ()., breaking.
  case 3: pop(); break;
  3 while (choice!=4);
  void push () {
  int item;
  stant node * newnode is
  pantif ("Enter the element: (n");
```

```
Scanf ("3/2 d " diten)
     emode = Structnode*) rellow (size of Cotauct node
         ode -) next = NULL ;
       (top = = NULL)
   top: newrode;
   newnode -) next = top;
 void pop () {
 if (top = = NULL) {
 painty ("In STACK is ENPTY");
 printf (" In Element somoved ic 40d: ", top -> data);
top = top -> next;
cool = top;
if (top = = NULL)
party ("mSTACK IS EMPTY : 11. In?)
white (wool != NULL) &
party ("(It %d It"), ood >data);
cool = coll -> next;
```

```
8) Queue linked list brogson
  Hinclude < stdio. h>
  #include < stalib.h>
  stanct node &
  int data;
  struct node * next;
  void insert ();
  wid display ();
  void deleto ();
  struct node * seas = NULL, * front = NULL;
  int main () of
  int choice
  paint ("( In <---- NENU - - - > 12);
  printf ("DUEVE IJUKED LIST 12");
   printf ("In1. (geate In2. DISPLAY in 3. Delete In4. Exit in ").
   printf ("In Enter your choice: ");
   Scanf (" En 70 d", & choice);
  Cose 1: insert (); break;
  cased: display (); break;
  case 3: delete (); break;
  3 while (choice !=4);
  void insert () {
  newnode = (struct node * ) mallock (size of (struct node));
  paintf ("Enter the element: (n ??);
```

```
Sanf ("3/0d " & brewnode Hate);
    void deleto () {
    if (front == NULL) {
    pant ("In Queck IS EMPTY!!! (n°)); & return;
   printf ("Deleted element is = "od", front -> data);
   if (front = = rear) {
   front = NULL;
   gear = NULL;
y or Jelse Hand as down and XMU922/10
  front = front -> next >
  33
  void display () {
  struct node *cool;
  if (front = = NULL)
  posité ("Queue is EMPTY!!! In?); seturn;
 cool = front;
 while (cool ! = NULL) {
 partf (" % d") cool -> data);
 (cool = cool → next;
```