```
LAB-8
```

return ele;

Z

```
stack and Queve Implementation
                             using linked list
Ostack Emplementation:
  void push (int ele)
    struct node I new node;
    vernoge = (2fanct voge x) wellor (26360 & (2fanct voge))!
    rewrode > data = de;
    vemuoge suext = norr!
    66 (fob==nnrr)
     top = new node;
     01 10
     bemunode -> next = tob;
       top= newnode;
     printe ("In Element 40 d was inserted! In", de);
 3
   400
   duf bob ()
 4
    int ele;
     struct node * temp;
     if ( top == NULL)
        printe (" In stack underflow, The stack is empty! In");
         stack();
      de = top - data;
     temp = top;
     if (top->next==NULL)
      top= NULL;
      elze
      top = top -> next;
      free (femp);
```

```
pior
     d?splay()
7
    struct node to;
     if (top == NULL)
      Ę
         printerilla stack is Emptylla");
         stack ();
      print f ["In Stack contains: In Top ->");
                                                   (2009) -129
      for Ci=top : il=NULL; i= i -> next)
                                                    10 kung. 10
          beyof ( , f do 911 ' ; > gopa)!
 3
                                                    Orelazon bion
@ Queue Implementation.
                                                32 show lowde
                                 (June 30-22 1904 - - James ) 9
 bior
       insext (int ele)
 7
     struct node thewhodes the bridges was also states
     newnode = (start no de #) mallor (sizeof (starct node));
      newnode -> daba = ele; (l' : xolicitos so de ne l'alterna
      new node -> next = NULL; and a survey of the start of the
       96 seas = = NULL)
           Front = newnode :/
            reas = newnode;
        else
      { reas -> uext = uemuoge;
         LEOR = VEM voge;
       printf cilla Element old was insorted! In ", de);
 કુ
       delete()
  int
   {
      int elei
      struct node tempi
      if ( 6 sont = = NULL)
         beintl( w/v Orene nugeoflom / 14 11);
         queve ();
```

```
ele = front -> dota;
  temp = Coon ti
  16 ( Good == 2603)
    Goon & = NUCL;
                            Judgma al Vaola militalitara
     8008 = NULL;
   esp
     Cont = Cont - snextigo Tot a minimo & who all it
    Proce Ctemp);
                                      JJU19-11 , 909 - Dach
                           : Codoba: in or 1/4 50 train
   return de;
3
ropy desplay()
4
                                        no Audin instanto - -
   strict node +1;
   ; & ( GROWT == NOTT ? PRESS == NOTT)
    E
       exinte ("In Queue Empty ! In") (bonson) show togets
                    occide . Calmet no de 4) malloc ( 81300
     printe (" in Queue contains: "); solo - wohen shooms
     Por Ci= Poontiil = NULL: i=i-snevt) UM - + xxxx = shorter
                                      (J) JUN = = 6,000 ) 3
     point (" dod", i-sdata);
                                      Chunnuan = town
                                   showing dance xo
   Leby to Albertoteni con hor Jon 1813 n/100 g L.
                                                 () shalok
                                       igmost show I suate
                                         (Note: = + noe 9) 19
                      il all wolded an accor amost mas
```