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DEV KANSAL
IBM19CS046
```

```
# include < stello.h>
# inited < stallib. h>
    Struct node
    int data;
    Struct woods * next;
  Wid qiwert ();
  Void dislay(),
  Void qdd();
  Void spush ();
  void Spep ();
  Void & display();
  Struct well * reax = NULL, * proud = NULL, * top-NULL;
   int main (intage, than ** arg V)
        net divice:
        Print 1 "Enta tu desice \n 1. Stack \n 2. quene \n");
    Scarf (od, k dioin);
      1/ (livering == 1)
       ponist ("lul, push \n2. 12isplay \n3. pop \u");
  Pourity 1" Enter your moice");
     Slan ( " /od", & droid);
    Switch (Choice)
      case 1: spuhl); broak;
     case I: saisplay; break;
    case 3: , shop; bruk;
    default; 19 (choin!=4)
```

```
Prail ("In Invalid Tuput"),
  33 while (anoia ] =4);
    eyell (dia == 2)
 do ? prints ("In Owen implementation using
              linked list \u");
 Pennty ["Int. Create In 2. Display In 3. Delete In 4. Exit In");
Prints ("In Eway your cholis,
 Scary ( "bd , k cuoiu);

Switch ( choiu)

Case 1: 9, insert (); break;
    Case L: gaisplay (); broak;
   Case 3: 9, del (), break;
 dyault: if (woice/2 4)
        Print ("( " Invalid inpot ))
  99 while (choice | =4);3
  Void q insert ()
  1 Struct nodithin mode;
     muchode = (Struct node *) malloc (sige of (structured));
    Pount ( " Entor the element: (u);
     soury ( "lod , & newwoods -) data);
      newhole -> next = NULL;
        il (reag= NULL)
```

```
may 2 newwoods;
Juout = newnodi;
  else
   ? roon-) next : new hood;
 mari newwodi;
 Void g, del ()
  1 ( front= NULL)
   1 print ("Quint sempty ); return; ]
  else & prints ("selected els is "od " a prout - dota);
     1 ( pront = 2 rear)
   L'print [ "Queue Isempty (");
      front NULL; reaseNULL;
   else
   front = front -> next; 33
    Void qidisplay () ?
       Struit wear tamp;
   1 ( ) front = NULL)
    I point [ "Que isempty ");
```

temps front; whill fempl 2 NULL) ? Prints (" % d', temp-) data); temps temp-s next; 43 Void spush () liw item; Struct wede \* new wode perint 11 Ewar tenelement (")) Sary ("lod", k item); how noth 2 (Struct node \*) malloc (size of (Struct wood)); un node-) dostazitem new gode -> wext = NVLL; ( topi = NULL) tops new woll; new node -> next = top; top= new node; y void spop () Lil (tope= NULL) points ("Stack is empty") else ? print [ "element removed is "/od: ", +0} -> data); top, top -> west; 33

Shrut wods \* temp;

temp= top;

if (top==NULL)

Print ( "Stack's empty");

which (temp==NULL)

Print ( "%d", temp-> doda);

temp= temp -> next;

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