Name of the Experiment : Date : Experiment No. : OS\_LAB\_10 Page No.: # Include (stdgo. h) # Include (conso. h) struct node 1 Pat Info; struct rode \* 19nk; type def struct node \* NODE; NODE gernode () ( NODE X) x = (NODE) malloc (spreof (struct node)); 9F CX = = NULLIA part (" mem tul"); ex9+(0); yretum x; void free node (NODE x) 1 free (x); NODE Invest front (NODE Brot, Int I tem) & NODE temp; temp = get node(); temp > rate = 9tem; temp - 17nk = NULL 14 (Apt = = NULL) return temp; Signature.....

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us = cur - lank;

cur -> lank = temp;

Signature.....

```
return Ant; 3
NODE delete rear (NOOE Part) 1
    NODE CUr prev;
    OFC AME = = NULL) {
       prantl ("emply");
       return larct; 3
    of Chrit- Ink = = NULL
        pantll' deleted 1.d", first - soil;
       free (fast);
        return NULL; }
      prev > NULL;
      (ur = Ant;
      whole ( wx - lank ! = NULL) &
        prev = cur;
          (18 = (18 -> 19nk; }
      ponte (" de leted 1. d", cus - 9 nb);
        free ( wid)
        prev- lank = NULL;
        return Parst;
  NODE gasext- pos ( gat germ, gat pos, NODE fairt) (
        NODE temp, prev, cur;
        Int count;
        temp = get node ();
        temp - Inho = Item;
```

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Signature.....

temp - lank = NULL; If CAnt = > NUCLLE pos = = 1) return temp; PF CAME = = NULL) & point ( " invalid por"); return last: 3 1+ (pos = =1) { temp-lank = fant; return temp; 3 court = 1; prev = NULL; cur = faut; Whole ( wx != NULL && court!=pos) { prev = cur; ur = ur -> hnk; count ++: 3 2f ( court == pos) { prev => lank = temp; temp -> 191k = wx; return fint; 3 pantf("IP") return fant;

Name of the Experiment : Date Experiment No. Page No.: NOOE delate pos ( Int pos, NOOE Pant ) ( NODE prev. cur; Int court; 17 CANT == NULL 11 pos (6) 1 pante ("envaled"); return NULL; 3 9f (pos==1) & ur > Bnt; Ant = Ant - link; prontf ("deleted 1. d", cur - mb ); freenode (ws); relion & host; 3 prev = NULL; ur= first; count = 1; whole (wr! = NULL) OF [ (ount == pos) break;

of ( lownt == pos) break

prev = (ur;

ur = (ur = 19nk;

count ++; }

1+ (lownt! = pos) 1

pront ("mvaled");

rehim lant;

Name of the Experiment: Date Experiment No. Page No.: prev -> knk = ux -> knk; possible ("deleted 1.d", wx-snb); Beenode (us); rehim fist: void display (NODE Ant) ( NOOE temp; 9FCANT == NULL) pantfc" emply "1; hos (temp = Bast : temp! = NULL; temp > temp - bak) & printf (" 1.d; temp - sub); vold march Int Item, choice, pos; NODE PART > NULL; for Cill partl 1" 1: 9n front 2: del front 3: 10 rear 4: del rear 5: m pos 6: del pos 7: display def: exst "> pante l'enter choque";

> case 1: pante ("enter 9 tem "); scart C" 1.d", & ) tem; But = Insext front ( But, 9 tem); preak; Signature..... King Size Practical Book

scanf (".I.d", & choques;

swatch (chorce) {

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case 2: But = delete front (But); break; case 7: prante C"enter 9 tem"); scarfe 1.d" leten); Pant = Insert year ( fant, 9 tens; break: care 4: Ant = delete rear (Ant); break; case 5: pantf ("enter pos & 9 tem"); scarf("1.d", Lpos); scarf ( + 1.d", lytem); Bant = Insert - pos (1 tem, por, hist); break; case 6: panticuenter pas"); scant (" I-d" & poss; Parst = delete pos (pos, Parst); breaki care 7: diplay ( first); breat; default: ex7/(0)/