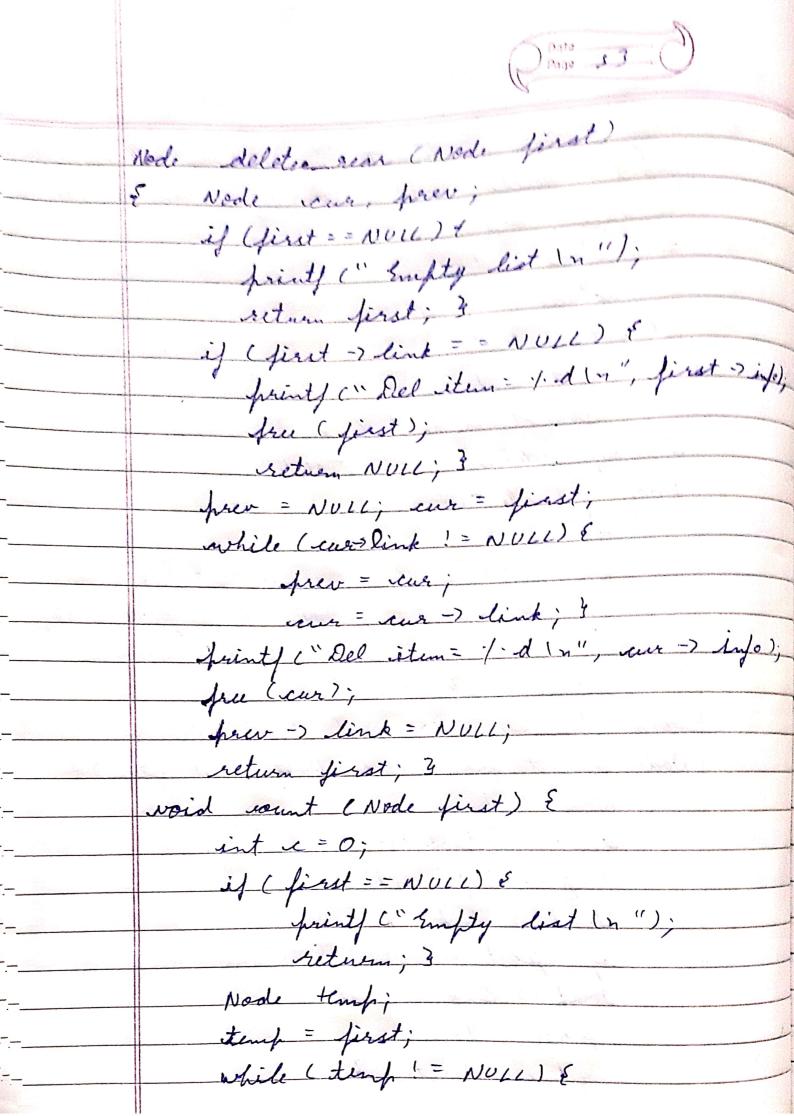
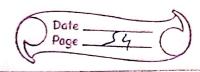
dal 8 (Neek - 9) Page 52 07-12-20 Q> Crogram to implement finded List insent front, delete rear, display, count items, search, order. # include a stdio 4? # include & sidlib. 47 struct node t int info; struct mode * link; 3 typedef struct noole * Node; Node getnode () & n = (Node) malloc (sixe of (struct node)); if (n = = NUII) & printy (" Them full (n ");

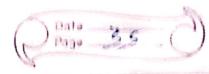
enit (0); }

return v; } void freenade (Node n) & free (n); 3 Nøde insert front (Nøde first, int item) & Node temp; temp = getrode (); temp -> info = item; Temp -> link = NULL' if (first == NULL) Exeturn temp; 3 temp -> link = first; first = temp; return first; 3





temp = temp -7 link; 3 prints (" Total items = '/ d", e); 3 void search (ist key, Node first) & Node cur; int j = 0; if (first = = NULL) & frist (" Empty list (n"); return; } eur = first; while (cur! = NUIL) { y'++; if (key = = cur) info) & break; } cur = cur -> link; 4 if (cur = = NULL) { frints (" search is failed"); return; } print (" Search successful & for = 1/d", j); void swap (Nede a, Nede 6) & int temp = a ? info; n-> info = 6 -> info; d-> info = temp; 3 void bubblesort (Node first) { Node cur, frev = NULL; of Cfirst == NULL)1



frints (" Enfly list"); return; do & 4 = 0; vour first; while (cur slink ! = firew) & of (cur -> info > cur -> link -> info) swap (cur, cur ? link); cur = cur ? link; 3 frev = evij 3 while (3); 3 void display (Nodo first) & Node temp; if (first == NUCU) Eprints ("List empty"); 3 for (temp = first; temp! : NUIC; temp = temp ¿ print ("/d", temp -> info); 3 3 int main () & int item, choice, Key; Node first = NULL; for (;;) & printy ("1. ment ? Delete 3. cond 4 search 5. Sort 6. Display 7 Enil (m) printy (" later choice : ");

scan (") d', I choice);



switch (choice) { case ! prints (" Enter item "); scanf (" / d", & item); first = insert - front (first, ilen); break; rase 2 : first = delete rear (first); case 3: count (first); lereat; case 4: painty ("Enter its for search:"); scanf (" / d", & Key); search (key, first); break; case 5: bulllesort (first); frients (" Items in sorted: "); display (first); loreak; scase 6: frist ("List: (n"); display (first); leresk; Sase 7: exit (0); default: prints ("Enter correct instruction ") lereak; 3 3

3

