Lab-4 11/1/24 Doll Circular Quene Findude Citation> # include Catality 12 Hadine ringe 5 int of Cinco, t=0, r= 1; int count=0; void enquire (int itum) { if (court == mo) & fring (" In Quene full!"); return; ar[(ttx) % my] = itun; count++; roid dequenc() { if (count == 0) printf (" In anews confty!"); += ta (++) 9. ring; count -;

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void display OE if (count == DL printf ("In Queue empty!") int front = t; for (int i=0; 12 count; it +)?
frintf("rod", VCfront") front = (Front +1) " ring; main! int int ch, iten; In L Dequare M printfo in Selett choice in 1. Enqueue while (1) f 3. Dipplay in Choici D', reant (" god", Sch); mitch (d) E print (" of a sten); enqueue (ixtum); break; deane ()') Item popped"); breaki

case 3: diplay() breat; ocit (0); authut! relect Choice! 1. Enqueue 2. Deguene 3. Diplay choice: Al Inter Value: 3 Quene = 3 choice; 1 Sinter Value = 4 Queu = 34 ahoice: 2/ Ja. Jal Queix = 4

er to a second

2: // Linked List A THE STATE OF THE STATE OF Findude < rtdio h>
princhade < rtdlib h> truct node & ivit datas struct node # rest; soid invest Atthad (struct node * * head, int new) & struct node # new-node = (struct node #) malloe (insist (Arust now) new > data = new; new > rect = (*head); node * prev_ node; int new) & investat Middle Cotunit if (from = = NVLL) ? printf (" liven privious nod cannot be mess siturn', struct node *new== (struct node) malloc (rise of litim new- data = new-dade, robus-snect = preves nett; frev = next = new=node;

ioid invitAtEnd(struct node *head, int new) & struct node * new = (struct nodet) malloc (Migrof (4) struct node *last = *lead_ref; new-nocle -> data = new-data; if (* head - ref) = = NULL) { * head-ref = new_node; riturn; . . last - nort = new node; return; roid display (struct node * node) { frintf "Linked List! "); while (node!= NVLL) (printf(" " t.t ", node - data". node = nod -) next; frint ("In")

st model", int main() (ntruct node *hed =MIL; while (choice /= 3) { printf ("relect an oftion in 1. hunt in 2. Dupling reant (" % 1", Achoice); mittch (choice) (care 1: witch (choice) { investatillead (Shead, a); carez; inertinMid (Ahead; or); can 3: innut at Endle hed, a); or (are 2: diplay (head);

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authorit. Establish an oftion 1. Invest 2. Diplay 3 boit Choice: 1 " List start L. St Middle. 3. At End. choice: 1 Inter value: 5 Linked List; 5 1. 18 10. 15 Mg. choice: 112. to all provide: 1. At start 2. At Middle ... z. At End choice: } Enter value: 8 Linked List: 5 8 choice: 2 Linked Litt: 5 8