Date _ 1 _ Lab Program 5 WAP to implement Cingly linked list # include (stolio. h) # include < conio. h> NoDE gethode () (NODE) molloc (size of (struct node)); prints ("memory full\n");
exit (0); void freenode (NODE X) NODE insest front (NODE first, int item) NODE temp; temp = getnode ();

Date /	
-	ita
tem	b -> info =
temp -> info = item; temp -> link = NULL;	
	wit
setw	in temp
temp	n temp; -> link = first;
first	= temp;
- Setu	rn first;
NODE	lelete-front (NODE first)
NODE	irst = = NVLV)
	vest = 2 NOLL/
at and	LO (ND-1: andt delet In')
pu t	ay cut is emply canno ceca in
? neu	ith ("list is empty cannot delete In"), um first;
	The second secon
temb =	tech > like
perint	first; temp -> link; ("item deleted at front end is "/d \n" first); first);
T and	tous account of front end is I'd In
seturn.	first > lnfo);
Seturn.	
NODE insert rear (NODE first, int item)	
\$	(100) E first, intitum)
NODE Touch	
temp = get node (); temp -> link = NULL; if first = = NULL;	
temp -> (in la = i t)	
tank -> 1: 4	
il [Light = - 11	
return to	
if [first == NVLL) return temp;	
11	Scanned with CamScanner

cur = first; while (cus -> link ! = NULL) cur = cur -> link; cur ->link = temp; seturn first; NODE delete-rear (NODE just) if (first = = NULL) print (" list is empty connot delete \n");
return first; if (first -> link = = NULL) frint ("item deleted is 1.d \n", first->ind);
return NULL; plan z NULL;

cue = first;

while (Eur-> link! = NULL) prov = cur; cur = cur -> link; frintf ("item deleted at rier end is "od",
wer > info); gree (cux); free (cux); free -> link = NULL;

return first j void display (NODE first) frist = = NULL)

print ("list is empty cannot displey items In").

for I temp = first; temp! = NULL; temp="t grints ("/, d \n", temp -> into); 1: Insert front 12° Delete-front 3: I nest-reagin 4: Delete-rear in 5: Display list in 6: EXITIN" print (" enter the choice \n"); scanf ("1.d", & choice); switch (choice) case 1: Perint (" enter the item at front end his
scanf (" of od", & item); first = insert front (first, item);

Case 2: first = delete-front (first);

break;

case 3: print ("enter the item at reas end \n");

ecenf ("/.d", & item);

first = insest reas (first, item);

break; Case 5: display (first);
break;
default : epit (0);