	DS-LAB PROGRAM 8  PAGE NO.  DATE //
	DATE //
	MO - La via- da ma
O.	was implement stack and Onerer wing Linked representation.
	using uniced representation.
Lope	Hincurdel Staro. h)
	#in clude 28+dib. h>
	Strut node
	E and the second of the second
	int info;
	short mode . # links
	3:
	typedet struct mode *none:
	typedet strut rode *NODE;  NODE getnode()
	5
	NODE X;
	x=(NODE)malloc (size of (strut wate ));
	1+0==NULL)
	ς.
	printf("Memory terl");
- 1	ex'+(0);
1	7
	Jehun scj
	boid freenode (popt sc)
	6
	Free (21)
	NODE insert front (NODE fort, intitern)
	C insert your your
	A MUTTO
	temp=getnocle C);
	temp=getnode (1)
	temp-sinfo-item;

```
prop ->link = NULL
 temp ->link=fig't
  f'n t- zhemp!
 return Elsti
NODE insert-rear (NODE : First, int ikn)
   root temp, w.
  temp=getpode();
temp=sinfo=item;
  jemp-slink = NUL;
   it (first = = NULL)
    ieturn temp
 while law - slink! = NULL)
    cur= cur - + link;
   cur - link = femp;
  return first;
MODE delete Lont (NODE first)
  NODE tempi
  if (first==NULL)
    printfluit is empty cannot debek by;
```

	PAGE No.
temp=fint;	DATE / /
temp=fers -1).	nle:
printf/1/tem d	eleted at front-end i's = "lod 1"
	-end i's = "lod 1"
tree (Ghst);	Frot winto).
return terry;	
MODE delete-r	ear (MODE First)
NOOE w, per	
if Cfirst==NU	
prott courst en	uply campt delete in "),
return first;	LONG TO SELECTION OF THE PARTY
`C C C : 1	
if (fint -> linde	==NULL)
7	
print ( litter ,	deleted is god m", first +info).
THE CHAT	The state of the s
return Mu;	A COLUMN STATE OF THE STATE OF
pren =XWLL;	
cur = fixet - stinte	
7	
printf(11.	
whip: ( u ->1,	$ \gamma k  = \Lambda_{1111} + 1$
5	10000
per=ar;	
cur=cur->1	inle;
7	
printforthen del	leted at rear end is lod "; and info);
Lee (com);	info)

	DATE
	prev-slink = Nucl)
	return fint;
	2
al d	void display (non= first)
	9
	NODE temp;
	if Chirt ==NULL
	E Line and the second s
	printf("List empy"),
	gretur)
	printf("Items").
	for chemp=fint; temp!=NULL; temp=temp=1ink)
	7
2	printf (notodlar", temp-into).
	7
	void main()
	Eintiten, choice;
	int pas, i, n, wout, key;
	NODE First = : NULL, a, b;
	for (;;)
	ξ '
	printf /"Inter in 2. Druere in 3: Exitin")
	108 14 (10)
4	switch Choice
W.	Case 1. printf ("Stark In");
	for (;)
	5
1	printf Milned reach a nin 200
	printf /1/n /: Ingert rear In ?: Delete near In 3:04)

	PAGE No.
	printfacenter the doice (nn)
	Scarf (ci o/od', fchoice);
	switch (cloice)
	9
	care 1: problem 12.
	care 1: prohtf(at rher iters ai)
	Sconf (a olo d', liters).
7	first = insept rear (first, item);
	10 reue,
	(ase 2) first-=delete-rear (first);
	birali;
	case 3: d's play (Abst)
	oreale;
	défault : exitlos;
	preak;
	<u> </u>
	case 2: prohtf ("Oneve (h/))
	for(;;)
	ipmn tf (" In 1= Ingert-Rear in 2: Delete from
	In 3: Display -list In 4: Extrains
	printf (" t- when the diside").
$-\parallel$	Scenf (" God'; ENoise);
	Su'teh (doice)
$-\parallel$	5
	case 1: proh ff l'Enfer item at ea endil
	Sconf ("god", Litem!
	first =insent -rear (find, item)
	brealez
	case 21 first = delele-front (first);
	break;

		A A P
	case 3: disploy (Giret); blale;	
	bslale;	
	default: exit(o);	
	brak;	
	3	
~	7	
	case 3: exit(o);	
	debault: printf /"Incalid choice In".	
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