48 classmate LAB 8 STACK AND QUEUE Hindude Entations Hindude (dollb.h) struct node & light typedy About · hode * NOOD; NOOF getwode U NODE TU, 2= (NODE) mallo, Crizief (thrus node); ij (2== NVII) printy (" main full h"); return n; NODE wirest read (NODE foris, wit item) Nooé tung cur; temp = getwode ();

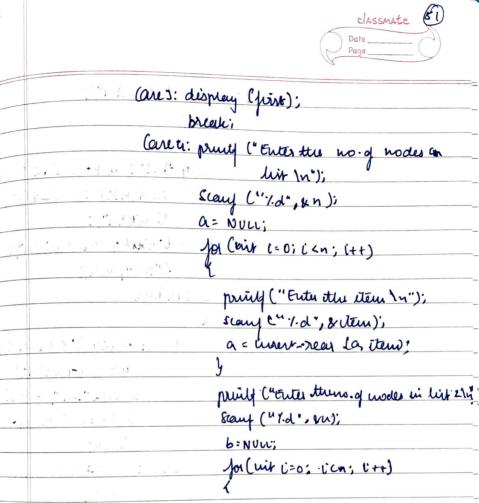
	Classmate @	
	Page	
	temp > inp = item;	
	tup - link = NULL;	
_	if (frin =: NULL)	
-	return temp;	
	au= pris;	
	while (mo-sluth) = NUM)	
	cure cur -slinks	
	Cur -> luich = temp;	
	return join;	
	word display (WODE grist)	
	N.006 temp; but and and and and	
	y (form == NULL).	
	printf (" list is empty");	
+	print (" contouts : In's	
	for Cloup = first; toup! = NULL; temp = temp =	
	print (""/d\n", loup suigo),	
)	
	NODE vor (NODE first)	
	list swapped;	
	NODE ptri;	
The state of the s	NODE Aptr = NULL;	

,\	Classmate (f) Date Page
	4 (prin = = NULL)
	return NULL
	do : game - / c
	1
	swapped = 0;
	ptr1= foris;
	while of ptr 1 -> link ! = lptr)
	£
	ij (ptr1→uip > ptr1→link → uip)
	uit tem = ptr => wijo;
	ptirt -> wyo = ptirt -> link -> wyo;
	ptr 1 - link sinjo = Teny;
	Awapped = 1;
	y jugas si terro desire.
	ptr1=ptr1-> linh;
	3
	eptr = ptr1;
	I while (wapped);
	3 41 000 - 4 1 2 5 2 1 4 1 1 1
	NODE receive (NODE girm)
	1
	NODE au temp;
	Cur = Null;
-	while (first!=NULL)
	terro = trist;

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prist = prist -> link; - temp -> link - cur;		
temp -> link + curi		
(us = temp;		
)		
return cur;		
y		
NODE Concat (NODE juris NODE Scend)		
NODE was		
ij (join == NUU)		
return reund;		
if (reund = FNULL)		
return fort in 1 and 1 to 1		
cur = first; it - ho gostale		
while Car > link != Nou		
Cus = cus + s link " 1 1 1 1		
cus-> luin = recordi		
return first; good " and		
3 Champion to the to		
NODE delete - fruit · (NODE jurit)		
1		
Mono temp;		
if Cfirit = = NULL)		
1 0 0 0 0 0 0 0 0 0 0		
pring E lier to evente (100)		
pring E" lier is empty \n"))		

4.4	Date Page
	* temp = first > link;
	printy (" deleted item out from = "d\n", prissings);
	(food),
	return temp;
	3
	NOOE delete-rear (NODE first)
	1
	None cus, preu;
	if (four == NULL) 1, 10: 200 to a work again
	S. Moral and a property of the state of the
	granity C' lier is empty m");
	return prit;
•	Visit de la
	if (first -> link == Nong
	1. Calle State of State of the
	print ("only one item in his and deleted item.
	/d" joint -> wijo);
	free (jim);
	return NOLL;
	}
	Dew = Nui;
	cus= joit;
	While Can -> lind = NOW)
	Mer= cus;
	Cur = cur - links

(4)	classmate (5)				
**************************************	DatePage				
	24 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				
printy ("deleted item at reex = 1. d\n", per (made cur);					
				<i>A</i>	prev-> luik = NULL;
<i>y</i>	return prix;				
	y				
	uoid main () Great mosta) / Illist Elm				
	(
	int item, chair, ch; n;				
	NODE firm = NULL: a, b; with the				
	NODE stack- frist = NULL. queue - first = NULL;				
]	Jos C:) : (") of we want of the last				
	return mark;				
	printy ("1. Quert-rear \n 2. corting \n3. display"				
	m4. Concatinating 2 lists In 5. renoring				
list In6. Stack implemention in7.					
- 11 h. h.	implementation 'ns enit in");				
	printy (" enter chair in");				
	stary ("1.d", excharge);				
	Ewild (choice)				
	1				
	(are 1: privily (" Enter the item (n");				
	Scary (4, d", b item);				
	first = vivert - rear Cfrist, item);				
	break:				
	Care 2: nort - (first); display (print);				
	display Chinti:				



purity ("truter the stanis); Scary (" 7.d", Litery)) b= unert_ rem (6, tem) a= trular (a16)

display (a);

Care 51 Juin = reverse (first); dispress (first);

1	classmate (S)					
Contraction of the last	Date Page					
	(an 6: printy ("Stark) ");					
-	Jos (>;)					
_	Carrett Sand 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.					
_	printy Eln1: Errest = reen ln 2: Delets					
_	real n3: Diamay & buit In you					
_	: Most Ent In");					
_	printy (" Except the chair h");					
	Scany C" Ld", such);					
	er, Could to M 9" House Switch Ear)					
	()					
	· larel: printy ("Bute the item					
	at rear-end \n");					
	Scary ("Y. of ", & stem)					
1	first = ment-rear Eficie, et					
_	two that break;					
4	(aser: juir = deletima (pin);					
_	hrealis					
-	(are 3: display (first);					
	meali;					
	dy out : ch=0;					
	Y Y					
	ij (ch==0)					
	break;					
	y					
	bleah;					

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n");	Page	
wert -	meal luz:	Delete

Care7: printy ("QUEUE1 pruit ("In1:2 flact Ins: Display- last In4: Exitm"); printy ("Enter thechoice"); Scary (" ".d", bus smitch (ch)

(are 1: print) ("Enter the item at real-end/n'); Story ("'d", Vitem);

(are 2: fort = delete _ from (first); (are 3: display (firis);

first = mier rear (first. item)

deputt: ch=0; y (Ch==0)