25/01/24 Lab-5 o . Linked list #include <s tho. h> Hinclude < Stdlib. h> (STURE long & de Street Noch Foot data; Street Node * west; gust) in Ayjudel Street Noch Noile; with Node & Create Node (ist value) in four poter - form - dota ? Node * new node = (Noch *) male c (syed (wode)); new rood - solata = value; new Node -> next = NULLy netwen new Nocle; Void display (Node * head) (myson 2) shidas While (head 1 = WULL) hard with prut ("1.d", head -> data); hend = head -> nevot ; part ("NULL In"); Nodo * sortlest (Nodo * head) - 1 tom) Allow If (head == NULL) head => next == NULL) Return head; a comme

et washed Woode * and swells Node & kup while Charge - next 1 = ends do Swapped = 0) of Charp is date or famps or next is alate id toup Pada = toup -> dota; knup > data = temp > mid is dota; temp 3 next & date = temp Date Swarpped = () And Lough weather temps temp > next; end = temp: (book & show) galfor (101) retur feed: (1500) = 1 hours Delikar I would (Supplied); (otal a bead " Head of there). Node & remellest (Woods & head) Node * pres = WUU; 1500 " 111.21 Wood + Curt = head; Node + next Node = NULL; will (aunt 15 MULL) and hallow heret Node - aut -> next : amust -> next = peren;

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	Stark :
Node * concatenated = concaters+s (11st 1, (st 2);	. 16 922
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deplay (concotacht);	
sestar Jesu:	3 200
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Out 1	vold
Bround list 1: 18 -> 7 -> 45 -> word how	
Sort of the 7 (177 333 -> NULL)	
Sorted Oct = 7 -> 18 -> 45 -> NOVEL)	
Concepted Port 150000	5
Concerted lost: UT > 18 -> 7 -> 17 -> 333 -> WILL	
estile (tay = need 1: note)	ist p
houp - houp - woods	
(() () ()	
lang - 125 t 2:	
Sortura list 10;	
	-
(1) want bier	
Norde & lest 1 - Crock Made (20):	
Most it is most = Great what (7); Wist it is most = Great what (7); Wist is most = maxt = (200h 100 de (41));	
fix is not a rest a seen in	
	. 3
Node * Let 2 = Oreste a Toda (1993).	· ·
Rest 2 - west = (mill work (233)).	
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frest (" ordered frith !!)!	
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	Stark :
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ter	3 Luked Lost;
4	The state of the s
	vold purt (hered list & Stack, 1st value)?
A shell	Node * peu Node = Creak Node Cualue?
	new Nade -> next = Stack -> top;
	Hack - top - new Noch;
	See The supplied of the suppli
- will	Johns wile the
	ist Por (Lukedlest + Stark)
	1218 2000
	if (Stack > top == NULL) {
	forth (" Stack is Engly \n");
	Setan-1;
	3
i	tal the healest of the
0	lost popped value = Stack > + + p -> dota;
	100 cle * ferry > stark >> top;
	Stark > top > Stark > top > next;
	free (famp);
	seture popped valer;
	- 1
	cold mou () {
	hinkedlist stack;
The state of the s	Stock. top = NULL;
	frint (" Stack Operation: In"):
	push (Astock 187)
	push (& Stock, 7); Nove
	push (& stack, 17)
	push (& Stack , 45);
	display (stack . top.);

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- State -	6	uem:
ford ("popul value & red \n", hop (& stack));		
fort ("popul value : 1 d \ n", hop (& stack));	U	oid enque
diplay (Stack.top):	3	
12000000		Node 3
		1/ (9
met of peach (headed light a strap int volus)?		5
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ivers Nach - rept = Sturk - lap.		,
Stack operation: 1000000 - 100 c- 1000		4
45717 -> 7-> 18-> NULL		else
popped value:45		1
hopped value: (7. (hat? > tail back!) Not to		18 Lique
7-> 18 -> NULL		(Lyun)
il (stack > top == 100LL) {		Jan 4.
· (" no (sp and 5! spret 5 ") topes!	. (Egika)
War !!		
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los folyed value of the and top a date:		1st deque
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cord made 19 ?		
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For a Colon top? 1.		

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Stube -	Quem :-
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Estack 273	void enquer (Ankelost * quen, ist value)
1981	herdit quest
	Node * new Node = (reat Node (value);
anj e t sa	of (que -> front == NULL).
	queu > front = new (vode;
	queu - sear = 3 new Woods
	Engues (Lanews . 7);
1	Che ((a) green, La)
	do hay comm. front).
4:1	queu - rear - next = new Mode;
	que - rea = nes Nodi:
	enth ("diqued from guen : M) of objected
	(26.60)
	desplay (queus port):
	1 st dequeur Cherkedhist * queen)
	2
	If (queix -> front == NULL)
	E MA
	print ("queue is empty: \n");
	seturi -1; martarela enon
	3 NULL (800508)
	Ent dequedvalue > queu > front -> data?
	100 d & land a Course of Book
	Node + famp > quem > front
	queue > front = queue > front > next
	free (ferry);
	goturn dequere dualu,
Control of the Contro	