18/1/24 Week-5 Singley unked list # Paclude < Atdios hs # Poclude < Stalib, h> struct node ent data: struct node * next; vord displayer; void Prest-beging; void Prosent Legary, word Prosent post; void delete-begins: void deleterendes. Void delete-pas(); Struct node *head=NULL; void displayes puinty (" Elements are 3 In); Struct node * pts Py (head==NULL) print["List es emphysn"): seduca! else

PAGE EDG3 bts = head; while (pts 1 = NULL) preatf ("of od m", ptx -> data); ptx= ptx -> next; vold Ensert() Struct node & temp, & pts; temp2 (Starect noole &) malloc (size of (struct vode)) pitaly (" Fater the value to be Presented In"); scary (40/2014, & temp >data); temp -> next = NULL; ? (Cread == NULL) head=temp; else pts = head; while (pta-) next[=NULL) pts=pts-nexts pts -> next = semp; 7 M33 5G

PAGE EDG3 DATE: / void delete-begen!) struct node * Atx ? (head == NULL) prentf ("List is empty In"); sehin's else pts-head; head = head ->next; first t'the element deleted from the list - " dln", pts->data); pee (phs)? void delète-end() struct node * ptr, & temp: Py (head==NULL) prenty ("Lest is empty In"); rehin; pt=head; while (pts -> next != NULL) Galax temp=ptx; ptx = ptx -> next;

The state of 4 temp->next = NULLi purity ("The element deleted - old", pts >data); pree (ptx); 3 vold delete-post Prt 1, pos; struct node & pts, detemps ej (nead==NULL) printf ("List is empty In"); setuis; else printfi" Exter the position to be deleted: his sconfirmed", & pas); ((pos==0) pts-head; head = head -> next; prentf ("The Eten deleted from the list & o/od ", ptx -> data); pee (pts): else' ptishead; par(1°=0; 1°= por; 1++)

PAGE EDG3 temp2 pts; pts=pts-)next; ef (ptx==NULL) punty (" possition not pard In"); temp-) next = pta -> next ", prest ("The value deleted & -1.d", pts -> data); pee(ptx); void mais (). Ent chopie; while(1) punty (In 1. to Ensest In 2. to desplay in 3. to delete beginning in 4. to delete at end In 5. delete at a geven position in 6 . po snet / L.,); purat (" Enter your charce mili Scanf (1/2 du, & chorce); switch (thorce) 133 Case 1 ?

	Poseut():
	break;
	(ase 2°
	diplayos
	buak;
	lage 3°,
	delete-begins;
	break;
	Case 4°
	delete _ end();
	break;
	(ases?
	delete-pos();
	bicale;
	case 6;
	ex(4(0);
	break;
	default.
	prints ("Enter the carrect choice In");
	breat;
	&
	3
- 13	
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0	aput
1	. to Pasett
_ 2	. to display
3	. to delete begenning
4	. to delete at end
5	delete at possion
	b ext.

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Enters your charce?1 Exter the value to be Poserted 12 1. to Pasent 2. to display 3. to delete beginning u to delete at end r. todelete at position 6. to exit. Ester you chorces! Exter the value to be inserted 13 1. to Present 2. to display 3. to delete beginning 4. b delete at end 5. delete at possison 6. bexet. Enter your Cholce: 1 Enter the value to be goderted 14 1. to insent 2. to display 3. to dolete beginning 4. b delete at end 5. delete at position 6 to exist. Enter your charce 32 Elements are :12, 18, 14, 15. 1. b Esset 2 to display 3. to delete beginning 4.10 delete at end Misselle at posekon 6 enis.

Enter your choice: 3. The element deleted from 16st -12 1. to Easest 2. 10 desplay 3. to dolete beginning 4, to delete at end T. delete at a giver giver possinos 6. bexet cater your chorce:4 The element deleted from lest-15. 1. to Present 2 to display 3. w delete beginning 4. to delete at end 5. dolete at a given posifion 6. to exit Onles your choicess Enter you parthonio The element deleted from list - 13