7. # enclude Listdia h> # include Lutdlib h> # include Listering. h> istruct node 2 int sem; 2 skuct node * next; struct mode * head = NULL; struct mode * head 2 = NULL int (=0; void insert() 3 struct node * new rode; struct mode + temp; intus; print (" Enler data: ") want ("oled", (w) hersoode = (struct moder) malloc (size usenct node); new mode -> usem = us; il (head == NULL) 1 new node - next = NV L head = new noole; else Emp: head while (Heup > nort eup maxf = new node; neionode 3 aext = NULL;

2 Print | "Node was Created In"). Void Insert2(1) iskud node * new rode; istend mode + temp; prints ("Enter clements for (ist 2"), print("Enter dataln"). uscant ("olod", 8 s). newnode = (Wright node") mallod sign of (struct node); her node > vem = 15 if (head 2 = - NULL) 1 neworde -> next = NULL: head 2 = newnode; } temp = head2; While (temp & next |= NULL { temp = temp > next; lemp & noxt - newnode; newhoode I next = NULL; 2 Phirt ("Node created"); privil ("Do you coant to continue I to continue o to estar In");

scan (" o (o d ' g y);

Void bubble Sort () 3 int swapped, is estruct mode > pla 1; istruct node 1xpt = NULL; if (head == NULL) return swapped = 0; phile (ph. 1 > next [- 1 phs) i) (pta (> seno > pta > rock -> very int tems = plat & sen; pted > next sem = pel > nox > per swapped=1; bhile (swapped) Void reverse () { struct mode* prev = NULL; your rode arrect - head; when I made + noxt = NULL; while (arrent | = NULL) { next = current > next current & next = pray Pher - current; current = next; 5 head = prev; }

void concat () struct node * pte; (head 2 == NULL) { head 2 = head; ple = head; void display! () print("The linked list is empty") ile (ph 1 = NULL)

2 paint (" yod", ph > sen); ptr-pr-next; void diphay 21 { point ("Empty list") }

void main () { int droigpos; paint ("In. Insert mode. In). Sort in3. Rever In 4 Concat Ins. ExitIn"); exant (4°10d", & choice); is with (choice) Insert(), break bubble (Spetc); displayer; display (1); Insert 20 concat(): display((): break-

default:

perint (Wowy Choice");

break; 3 v hile (choice (=5);