5 Hinchide Kstdio. h.> # include. (stalib.h) # include. (string . h) struct node ? int sem; char name [50]; char ush [50]; skuct node * next; is fruct node * head = NULL; int C=0; void Inserthegining () struct node * navnode; int is: char a [50], b [50]; print (" Enter your name:"); want ("% 8", a); phinty (" Enter your usn:" 1s(an) (110/08", b); print[(" Enter your semes ter"); scanf ("/od 1 8 3); neronale = (struct node *) malloc (sizgalustruct node). new node I sem = 13; stropy (new node -) name, a); utropy (newnode > usn,b); newhode - next = head; head = newnode; pritfl"Node Greated n')

void Insertanypostintp) istruct node *newnode; Char à (30), 6(30); print["Enter your name:"); paint ("Enter your van: "); Print ("Enter your vennester:"); Uscanf ("To d, 48). naomode = [skuct'node*) malloc (sized (skud node); neworode I sem = s istropy (newnode > name, a); istropy (newnode. -> usn, b); if (b = 1)
) I print! ["Node of linked list is inserted in position one (n"). neronode > next = head; head = new mode; else if (head == NULL & & px)?
? peritf ("hist is empty"); elseif (P>(C+1)) pritil Not possible as number of nodes
present is insufficiently.

return;

else struct mode * templ; skuct node + femp2; int count=1; templ = head; while (count 4(p-1)) temp 1 - temp 1 - next; 2 count ++; temp2 = temp1 = next; temp 1 -> next = new node; new node > nox+ = temp2; prints ("Node inserted at "lod position in linded listin", p); void Insatend() skud node * new node; istruct rode * temp int s; char n [36], u (30) Print ("Enter your name"). sanflud, 48); paid ("Enter your sn:"); newsork = (skruct nodet) malloc (sign) uskud mode)); newrode > ven=15;

iskapy (newnode > name, w); istropy (naonode & usn, v); newrode I next - NULL; head = newhode; printfl'First node createdin"); else temp = head; while (temp + next !- NULL) temp = temp > next; leny > next = new mode; new node -> next= NULL; point ("No de aceted ") void Display() 3 estruct nogle x pla; & painty ("Linked list is empty"); 2 while (pter J=NULL) E print ("Node blod" i) I paint Mans of o's In Usn Tou Sem Tol ptr > name, ptr > you, fr + isen;

ptr=ptr>next; 333 2 unt choice, pos; paint[("In1. Insert node at leginingly) Anguhere in the tist 43. At the Eno Banflood", & choice); break; switch (choice) case 2: prints ("Enter the position")

scan ("old", & pos); Insertangpos (pos) case 3: Insertend(); break; display(); break; print ("Wrong choice In"). break; while (choia 1 = 5);