Expt. No. Adidi Alaerh Page No. 1BM1928007 # includes stalib. h> It include (stdio.h) It includes malloc. h) Struct node? int data; strict node & next; 3; Struct node & start = NULL, & Stady = NUL Street node & create 11 (struct node \*); Stret node & create - 1215truct nodes Stret node & display (Stret node ). Stret node & Ensext (Stret hode ). Street node & delate (stonet nodes); Somethod & severse ( 8) mot node ); Eductrode \* (creat (Somet node & & strutudo) 8 met node & Sout (8 met node \* int main () ? int option; rosnt (1) n 1: Create malisplay g. insetts delete In 5. Develse 6. Coreat 7. Sout 8. evit" point ("Entuchoice"); switch (option); case 1. Start = create\_ls (start);

printf (" linked list created;) Care 2: Steet = display (start) Teacher's Signature \_\_

Date\_\_\_\_ Expt. No. Adid Akaush Page No. (2) 1BM1965007 Care 3: Start=insect (Start); break; Case 4: Start 2 delate (Start Care 5: Start xeverse (Start); Care 6: Start = Coreal (Start, Start); break; Care): steat & sort (Het); 3 while (phon 1=8)3 Street node \* cleate les (8 methode + start) nt numi

prof ("Cutel-I to en!").

Prof ("Cuter dota");

Se a f (".). d. frum);

while (num! =-1) {

new node = ( Sturet upded ) malloe

new node = ( Sturet upded ) Sout nade kptog mew-node; ( size of (strethode)); reconded I destorance; if ( shert 2 NULL) & new node; startzwick;

Date\_ Expt. No. 7 Addi Akarsh Page No. 1BM19C8007 relse & pto = start;

while (ptr -) next! = NULL)

ptr - ptr -> next = new mode;

ptr -> next = new mode;

new-node -> next = NULL; grand (" olod", &num); returnstact; Struct node & display (struct hode & start) {

struct node \* ptx;

ptr = start;

while(ptr != NULL) prints ("Hold", pto >data); return start; Strict node & insett ( strict node \* statt) { Street rede a new rode; Early L''/d" Smin) Teacher's Signature

Expt. No. 4 7 1BM19CS002 Page No. newnode = (struct node \*) mallocl size of she newnode -> data = num; node)); new node I next = start; Start = newhodo Tetun start; smet nodok delete ( met node & start) { strict node & ptr; pto = Start; chart = Start -> next; free (pts); return start; Struct node \* reverse (struct node \* start) { Somet unde prev = NUL, "current zstail, Anext 2 NOLL; while (current! = NULL) ext = curent -> next; preva content; consent ansi; 3 return Steel Teacher's Signature

Date Expt. No. 7 1BM19080000 Page No. 6 struct node & stat (street node & start) ? Struct node & stail 1) & struct node \* pts1, \* pts2; ptr1 = Start; white (pto 1-) next bNULL) & while [ pts2]= NULL) { 1] (pto1-)data-)pto2-)data)? ptr1 > dataz ptr2 > dataj
ptr2 > dataz tenp; 3 pto 2 = pto 2 next; y

pto 1 = pto 1 > next;

setuen steet; Street node & come at (struct node & start Streethode Starts) f Somet made & pos; pro 2 Start; ont & ( "Enter secondlut !!); Start 1 = create 12(8tell); while (ptx > next != NULL por = ptr > next; et Spert = Statt) retuenslast; Teacher's Signature