I Addition of two long Integers # include (stdio.h) in clude (stallib, h) struct noole ent info; Struct NODE * link; typedel struct NODE * node; mode getnede () nodex; x = (node) malloc(size of (Struct NODE)); if (x = = NULL) print (" out of meniory \n");

Enit (0); nocle ine-front (roole first, int item) note temp; temp = get node (); temp -> linfo = item; temp -> link = first; Retien temp; node extract (char * s, node head)

int i, n; porfiz 0; i < stolen (s); i++) n = S[i] - 'O'; head = ins-front (head, n); note adollong (node head, hode head, note int temp, sum, carry = 0; node curi, curz; curi = headi; uefile (cur 1 / = NULL & & cus 2 /= NULL) temp = cull > info + cus 2 > info + carry; if (temp > 9) Sum = temp % 10; Carry = temp/10; Sum = temp; 3 Carry 20; head 3 = line-front (head 3, sum); Curi = curi -> link; page No. Cus2 = cus2 -> link;

12/1/20			
			Da
	Date//_		'1
	guhile (cur) = NULL) + earry;		
	while (cul) + earry;		
	toub = culty into		
	temp = cue 1 > info + earry; y (temp > 2)		
	50 - 1- h. 1/10;		3
	Seun = tomp 1/10; Cevery z temp 110;		1
_	2		
	else		
	2 Sun z temp;		
	Carry 20;		
_	head3 = ins-front (head3, Sum);	0	
	2 Cus 1 z Cus 1 -> link;		
	3 = 1 = 1 = 1 = 1 = 1 = 1 = 1 = 1 = 1 =	5	
	uchèle (cal 21 = NULL)	184	
	temp = cuer > cinfo + care;		
	if (temp > 9)		
	50		
-	Sum z temp 1.10; 2 Carry z temp 110;		
-	3 Carry z temp /10;		
	llje		
	E		
	Sum z Cemp;		
	Cooryzo;		
	Cuez z us front (head ?)		
	healt3 = in-front- (head 3, sun);		

Jan = = NULL 88 cus 2 = = NULL) if (carry ==1) head 3 = ins-front (head 3, carry); void dyplay (node first print ("Empty \n"); Cur = first; Shile (cue! = NULL) temp = cus, 2 -> info + carry;
if printy ("'/, d \t'', cis, -> enfo);
cus, = cus, -> link; voidmain () node heads = NULL; node head 2 = NULL; nocle head 3 = NULL; Char S1 (30), S2 (30). print (" In Enter first integer "); Page No.

	Addition of Two Polynomials
	Addition of Two Palgrams
	nadawi 0
	It ctdio, n
	i la la Calaba
	# include < math, h)
	etruct node
	\$
	float Gi
	Gloat px;
	Plant py;
	Street Rock * link;
,	struct Hoce Cink;
	A II A A NONE
	lyfedy sand noce 1000;
	typedif struct node * NODE; NODE getnode ()
	NODE, X;
	x = (NODE) malloc (size of (struct node)); if (x = NULL)
	il (x = = 1104)
	9.
	print (" out of memory \n"); enit (o);
	enit (o).
	3
	E Seturn X;
	NODE insert rear flood of float x floaty
	NODE insert rear (float of, float x float y,
	NODE temp, cue; Temp = getnode (); temp -> px = y.
	Temp = getnoole (). temp -> px = y. Page No.
	the N of z of
	Page No.
	Page 18.

temp > flag = 6.

Cug = head > link,

while (cur > link o = head) Cur = cus -> link; temp -> link = temp; head; Setien head; roid dyplay (NODE head) NODE temp.

if (head->link = = head) perint (" Polynomial does not enist \n");
return; temp = head -> link:
while (temp 1 = head) Print ("+%5.21x^1/3.1fy^1/3.1f")

temp>cf, temp->px, temp=p)

temp=temp = temp > link; 2 print ("\n"); NODE addroy (NODE h., NODE hz, NODE hz) NODE P1, P2; int x, 1 x2 y 11 y2, cf, cf2, cf; P1=h1-> link; y2, cf, cf2, cf; while (PI ! z h)

Date ___ /__ /_ 2 pl -> px; y, = ρ, -> ργ; γς, = ρ, -> cb; ρ2 = h2 -> lik; while (p2 1 = h2) X2 = P2 -> px; y 2 = ρ2 -> ργ; of 2 = ρ2 -> cf; of (my = = x2 δδ y, = = y2) Break; 3 P2 = p2 > lnik; 45 (p2 1 zh2) (= cf, + cf2; 12 -> flay = 1; (f N = 0) h3 = 0 inseqt- sear (cf, 24, 14, 14, h3); h3 = mert rear (d1, x1, y1, h3); p2 = h2 -> link; while (p2 1 = h2) if (p2-) far ==0) h3 = lingt-gear (p2 -> of, p2 -> px, p2->py, h3)

2 P2 = p2 -> link; read poly (NODE head ploat-fy;

float-ch;

print ("Enter the Colfficients as -999 to

end the polynomial \n");

for (i=1;;i++) print (" enter the of & term 'n", i)

Print (" coeff = ").

Seart (" P. 9 9, Scf);

((= z - 999) NODE he, hz, hz; hiz getnode (); hez getnede ();

Evaluation of a polynomia = include (stdio. h) in clude (nath, h) include (stalib . h) include (string. h) struct node gedy struct node *NODE; = (NODE) malloc y (X==NULU) print (" out of memory \n"). NODE temp, cus; temp = getnode (

temp->pxzx; lent -> fy zy i cus = thead -> link : while (cus -> link != head) cus = cus -> link; cus > link = temp; temp > link = head; seturn head; NODE read-poly (NODE head) beint ("Enter the coefficients as - 999 to end
the poly nominal "n");

of (i = 1; ; i + +) plant of pripy; prints ("Enter the 1'd term n";i); print ("Coeff = ").

cant ("./.f" & cf);

if (cf = = -999) Scanf ("100 2 = "). searl (" pow y z "); count (" /.f" / sfy); head z insert rear ear (of px, py, head); 1006 foat enaluate (NODE head) loat sum=0, x, y;
NODE poly;



