Hinclude & Stdio n> Hinclude 2 stallib h Hinclude & math h? struct node float of float px, py;

iii flag;

struct hade * link;

3; typidet skut node *NODE;

NODE gethode () x=(NOOE) mallor (size of (struct hode));
if (x==NULL) P(" man full\n"); exit (0); NODE cinsest-reas (flood of, float &x, flatet y, NODE fi & NODE temp cus; temp= getnode (temp > 4 = 4; temp > px=x, temp - link = NULL; temp-) flag=0; if (first == NUU

SUKYA Goli Vate Page 3 selecon temp; 3 cul= first; behile (cur-) link 1 = NULL) cul = cus stink; vul - link = temp, 3. setuen first; NODE Kirst read-poly (NODE first) ent i, float cf, px, py;

D(" Inter - 999 to end the polynomial: \n");

for (i = 1; , i + +) of (" Serter of d term: , i); scan ("-1-4" 8 4);

(cf=6999) 3 belak; 4. Af (" Power of x");

Af (" Power of y");

Af (" I d", & py); first = insert_seas (y, px, py, first); retuen first;

float evaluate - polynomial (NDDE first) float x, y, sun=0; NOOE polynomial; of (" Since the values of x 3, y 'n"); Sf(".1+1.f", &x, &y); polynomial = first; while (polynomial 1 = NULL) sum = sum + polynomial -> cf * pow (x, polynomial -> px) 2 polynomial = polynomial -link; Letuen sum; void display (NODE first) if (first = = NULL) 3 pf ("Polynomial does not exist"); temp = first; while (temp - link) = NULLE p(" (1.59 x)-3.2) y -1-3. 2)) t+", temp >cf temp -> px, temp -> py); temp = temp -link; p (" (1.5,2 x 1.3,244. (.3,26) n", temp-) cd, temp-) temp -)py);

main ()

\$ NODE first;

float ses;

first = NULL;

first = read - poly (first);

res = livaluate polynomial (first);

pf (" Polynomial is is 'n");

display (first);

fil " Result is = 1. \n", ses); in main ()