Hundu de (statio h) Hundred (como. h) Hundlude (valloch) Hundlude (parocers. h) which node unt info; istuet node * link; typedel struct node * NODE; NODE 1 getnode 1 X = (NODE) malloe (sijeof (struct node)). skint ("memory fullin");
unit (0); void premode (NODE x) NODE insell-front (NODE jist, int item temp = getnode() temp - info = citem. tung -> link = NULL! if (filst == NULL)

return demp;
demp -> link = 'first
first = temp;
return first;

NODE delete rear (NODE first) NODE vens, prev. plint (" list is empty cannot delete \n").

**return first; if (first -> pink == NULL) printfl"item welleted is 1.d \n"first-ymfo); Kee (first):
Return NULL; per = NULL'

while (cour - link != NULL) prev= vur - link; printf l'item deleted cat rear-end is 1.d"

cur - info); yel (aur); pseir -> 'link == NULL.

Return fierst.'

int count (NODE fust) NODE my= first; int C: if (first == NULL) E return c; if (first -) link = = NULL) { return c; while (and 1 = NULL) { y cut='our-tink;

void search inst key, NODE just

void search inst key, NODE just

NODE us; if (first == NULL) print | " dist is ampty |n");
return; well = first; while [sur manufact] = NULL)

if (key == run -) rings) & feag = 1;
were - wis -) link; if (dus == NULL) (flag == 0) prints l'elarch is unsuccenful m');
return; print (" search successful in"),

ASC (NODE first) NODE NODE jeur= just; unt temp; if first == NULL) [returno allse while (frew |= NVLL) i rach = prew - link; while (cour) = NULL) { of these - info > confo) teins = perer - sinfo plo - cinfo = cur sleyo yhler= prev - link. setvem first

DES MODE ASSE (NODE first) NODE NODE feur= yist; und temp, if I first == NULL) & returno; elle while (yrew = NULL) 1 with = plan - wink; while (cour) = NULL) { if (freet - into < > and - confo) ! temp: perer - unfo = un-less fello - cinfo y cur - ungo = temp; cur = cur - link. yhrer= prev - link. return first

chisplay (NODE jirst) word itemp; NODE if [pist == NULL)

Jeinly [" dist empty cannot idisplay ultimely

for [temp= first :] temp! = NULL; temp = temp> has yring ("./d\n", temp -singo);

papergrid Date: 1 1 word main() unt ulon, choia, choiaz, j, key NODE freet = NULL, peinty [" In! insulprond m2 deleteres in 1st count in 4: sort in 5: wherel In 6. display list in T' unit (""); frints ("enter the choice m")" switch (choice) case 1 frints [" luter citem to be inselected [" butter citem to be inselected [" bullens];

first = consert: front (grist, item) Case 2 edelete rear Case 3: j = count (first).

print! (" no of litems un list: /d")) Weaf ! I "press I for asceneling & 2 for descending order (111) Scary (". I. d" & choice2); ij (hoice 2 ==1) fiest = asc (fiest) (hoice 2 == 2) pilst = des (giset

habeiall Date: 1 1 not l'enter the element to slarched for In'll;

of ['! -1. d'', & key);