

LAB Program-5 Hindude (allow-h) Hinchde (state) #include (conion) struct node int infi Struct node * link; Typedy Struct node *NODE; NOGE getnode () NODE X; 1(= (NODE) Malloc (Size of (struct node)); (1 == NULL orinto ("Me mory is follind); setm icj

NODE insertyront (NODE pivit, intiten) NODE temp terp= get node; temp->inj= Pten; Jenp->1?nh= NULL; 3/ (13vst == NULL) return tenp; tenp-> fink = fivst;

first=temp;

yeturn first; NOTE insertrear (NOTE pirst, int item) NODE temp temp=getnode(); terp-) fn6= 9ten; terp->link=NUL A (first = NULL) return teap; wr = first; while (cor-) link = NUCC)

Cur = Gralink ar-7 link= temp; return birst; Node insertpos (int iter, int pa, NODE sint) NODE temp, Cur, prev; int wont; temp = get node (1) temp-) in = item; if (first = = NULL E& pos = (first = = NULL) print ("Invaled chess") temp-7 link = first,

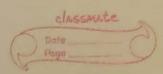
first = temp;

y vetrn first;

(oont = 1; prev = NULL; Cor= first; while (ar 1 = wyll & Gunt) = pos) ar=ar-Dinh; 1/ Count = = pos) prev->link=temp temp->link=ame printz ("Invalid possh);
return first; Void display (NODE first) Nove temp'

Il (first == NULL)

I print ("List engylo")



Printy (" me element are = 1) for (temp=first; temp!=NULL; temp=>link) prints ("galt," temp->ing); print ("In") int main () Int c, iten, pos; NODE pirst = NULL; for (;) pring ("1-Insertport in 2-Insertreer In 3-I west of given pos In 4-Display In J-Exitin) Printy ("Enter choice In"); S(an) ("gd, G(); switch (c)

Casel.

prints (Enter item to be inserted breatly)

Scenf (" of d", Eiten);

first = insulty rout (first, iten);

hverkj

Case 2:

print ("Enter the itemsny);

Scan ("God", Eiten);

first-insectivear (first, item); break;

Corse 3:

printy ("Enter the itenand post")

Scant ("%d" & iden);

birst- insert pos (itory pos, sixt)

Case 4'

display (first);

