DS LAB PROGRAM 6 WRITE UP:-

```
nothel Raj
LAB PROGRAMG
# include (stdio.h)
H include ( cano. h)
your towate
of in this
 struct node + line;
typedy struct noch * NODE;
NODE getnode ()
NODEX
 x = ( North mallor ( signer ( struct mods))
 if ( T = NOLL)
 (" man fill man ") flr wed
 (0) text
 Justian 4/-
 Void Fuenoch (NODE Y)
 Paul(x)1
NODE insert-front MODE first, int it
 NODE temp,
temp = get node ()
tempos injo= item;
tomb => Link = NULC;
if (first == NULL)
return + emp
temps link : first
first = temp;
```

forp or link = first; first - temp, sedwar first ; NOOF delete-foront (NOOF first) NODE temp 17 (first = Now) The tent ("my stells tannas propries is tell's ferina return first; temp first temp temps link brist (" item delited at friend - end is = 1-d (n", first singo) for Bust: restour femp; toi, Krif 300N) rose- tresoni 300N item) rent getnodici tanto - unt = NULL; if (first == NOCE) drust newton · cur : fiv st while (cur-stink ! = NULL)

```
cun = an-slink
 terif number
NODE tall = JUDY (NODE first)
 NOOF cur, prus
pointfo" list is empty cannot delete In")
 rature first
 If cfirst - s link == NULL)
spece teriff, w/p-1 is papeled mati, a) formed
( tarce 9) esco
raturn NULL;
preus NULL;
cur = first;
while (con-) link!=NUL()
preu = cur;
our = cur - s link
print ( ) item delete at mor 11-1d', we
-singo);
Free cur;
bow- sink= NULL
saturn first;
NODE delete - injo ( ind key, NODE first)
```

```
NOW poor and
  of ( proto = NOW)
 point ? but is empty 'm")
  , 100 Minters
  (PCkey Pirst-sings)
  first = first a link,
  Bueno de carlo
  restor first
 aur = first
 while ( and : NULL )
 [[(key == an-singo) brunk)
 porces cur
 em = aur -> link
 of (un == NULL)
found & ( seas 15 onscreapfull In )
 return first
pres -> link = aux -> link,
freenode ( as)
return first
void display (NODE first)
```

NODE temp, point (" Ust empty rannot display itents point (contact of lists: 100 for ctemp first & & NULL; temps tend link " (copy co-droot, " 11 6 1 sterried void main (ind item, choice, buy, NODE first = NOU forc; -stilled & n/ treat breach track stelled in 11 rouse - troon : Ent treat tuarin') Asintfi's delete into In 6 Doplay List int earling brintf ("enter the charce in) Itarioed Scanf ("-1-d", & choice); Switch (choice) Case 7 bound of moter the item of Pront -end In" Scanf ("-1-d", Pitem); Pirst = insest-forent (first, item) Case 2: Prist = delete - Browt (first), bouch proof.

(ase 3: print ("enter the item at more sond in") first item; Scanf ("it-d"; fitem; first, item) first = Insest-suces (first, item),

horeak,

lase 5: point for enter the key to be

delited in"),

Scanf ("Id" & key);

first: delite. injo (key), first);

bounds,

lase 6 display (first);

dejault exit (0)

bounds,