DS LAB PROGRAM 8 WRITE UP:-

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mithil Ray
[ab program 8 part ]
STACK using linked list program
# include Zstdio.W
# include (conio h)
struct node
; of ni tui
struct node # link;
typedy stand mode * NODE;
 NODE getnode ()
 NODE X
 X = (NODE) malloc (sign By (stouct node));
 · P CR == NULL)
 point ("num foll ("))
 exit (0);
ix nucuture
(NODEK)
franck )
NODE temp;
temp = get node ();
temp - singo = item;
temp-) link = NULL;
If (first == NULL)
 return first;
(Frit 300N) trans- stub 300N
```

NODE tomp of (first - NULL) found (" stack is only connet delite in) temps temps link Pirst singo; cond at pour ord is and former of first of the Cfirst of th saturn temp Void display (NODE first) NODE temp Void display (NODE first) NODE temp poundf (" stack empty cannot e display Hombi for ctemp = first; temp! = NULL; temp = slink) point ("-1.dln", temp-sings); void main () int item , choice, pos,

tor (1) foundf("In]: Insert - friend In ?: Delute & In 3: Display - List In 4: Exit (n") printf (enter the choice In") Scanf (" 1.d", & choice) Switch (choice) - end (n") ender the item of from be Scanf ("I.d", litem) Forst = Insert front (first, item) bruak / (asea: first=dulte-front (first), (ase 3: display (first)) bouck; default: exittely bounde;

mittel Cay Cab program (8) Fart (1) QUEUES away Jinked died th indude (stdio h) # melude c como ha stone burets Ind injo; Hard + ston Burts typedy stand mode + NODE None getwood () NODE X x = (NODE) malloc (size g) (stoud made)); 19 (x == NULC) point (mem foll (n); (co) time notion x) (x 3004) Sommed bioU Prus (X) NODE (ment Just 2000 first, int Hem NODE temp and + ent = getnode () tempo unjo= Han tout -) unt: NULL) of (first = NULL)

while (our - strukt NULL) cur = cur - unte/ was Int fout ration first; NOOE delite-frond (NOOE first) NODE temps (f(first == NOUL) printf (lest is empty cannote delite; restain first, temb = first femps temp-ship points (item dilited at forest end. (Kercif) weg return demp. H 3" Void display (NODE first) NODE + emp/ 17 (first == NULL) pointf(" Ust empty cannote display its for (temp=first; temp!=Noce; temp temp- link) (of in colone , " 19 pl. ,) stured

Void main () NODE first = NULL; for (1) point? ("In]. Insed-sucosing: Debtl - front point? ("enter the choice in"); Scan? ("!-d", & choice) 6 5 (ase): point (enter the Henrod : [sea) scanf ("1-d", & item);
first = Innerd-ream (first, Hem); bouck; (ase 2 first - delite-front (first); (ase 3: desplay (first) default: exit co); boudk;