

None Ranshe giri Roll No. — Subject _ DS School/College SMSCE School/College Tel, No. .. Porents Tel. No. -51. Page Dote Title No. No. Democks 04 12 23 WAP for a) Plush b) Pop e) Trisply 01 29/ 12/23 Inha to Partie conversion. AT 1774 africe to in mulate marking of a greece of integers. Provide: limetion, delite & dispreys for if weres. 6) arcular queues. 11 1/24. WAP to implement singly 04 linked but a creation to delete O display) Leet code 18/1/24 WAP to Implement SIL 15 Lettrede . 25 1 24 Implement SLL: - Sorting, 06. Reversed, torredenation Stack Implementation Lavens holing s. 1.1 Imprement DII: - Create, delete 1 2 24 & display Let lede

SI. No.	Date	Title	Page No.	Teacher Sign / Remark
				-
08.	15/2/24	WAP a) sinary search true		
0.*		b) transment c) display		
1276		Lettrode		
				30
09.	12/2/24.	WAP to traverse a graph voing		7,114
0-1		BFS muthad.	STATE SE	30 9
		WAP for DFS method.		
		WHI 101 DE 3 VICOITAGE		7 97
We the		W w to with the same to		2.5
10 .		Harring linear probing		
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				0
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2		SERVICE AND SECURITION OF THE PERSON OF THE		
Marine.				- 6

3) # include cstoio h) # unclude comin -h> . void pur # define N 10 void push (); void pop (); void display (); int stack [N]; unt top=-1; void main () unt ch; do c printy (" Finter cohoice 1: Prob | t 2: Pro | t 3: Display In) prints (" Finter your choice(n"); scang ("Y.a", Ech); switch (ch) { case 1: p woh (); (ased popl) break; Case 3: phoplay (); meali; default: printy ("Hotelwalld value in); Yushile (ch1=0) getchi);

* 12 19 a void push (). int 2; printe (" Siter your value (n"); scanf ("Yd; &x); if (top == N) S printy (" Overflow"); elde f top++; Stack [top] = 2; 4. void pap () int y: if (stack ij : Stack (+ prints (" under flow "); Use y=stack [y]; top=; void display () unt d; for (i = top; i >= 0; i --) minit (Stements me y.d. stack [i]);

	Lato 2:
)	Infix to Postfix conversion
	# include colling.h>
	# condude 2 ctype. h>
	It define SIZE SO:
	A SAME TO SEE AND A SEE AND
	Char Stack [SIZE];
	ciult top = -1;
	Control of the Contro
	push Char elem).
	TO ST - LOTY - IT CONTENT OF THE PARTY OF
	Stack Ettop = elem;
	A Company of the said to
	Char pop ()
	Carried same Cart montant of the
	retrue (stock [top]);
	Y consider the second of the s
	unt pr (char symbol)
	to Commence and
	if (symbol = = '^')
- 100	return (5);
	else if (symbol == "*" symbol == "/")
	the transfer of the second of
	setun (3);
	To all the most manufactured at the test of the
	the if (symbol == '+' symbol == '-1)
	return (1);
HH	3.
	else f

return (0); void main () their onfic [50], portfix [50], ch, elem; Unt 1:0, th k=0; prints (" Fotor the Infox expression,"); scant ("Y.S" intic); puds ("#"); while ([ch=infie[i+1]]=1/01) if (ch == '(') push (ch); lbe if (indrum (ch)) postfix (brt]= ch; if (ch == ')') while [stack Ctop] = 'C'). postfix [k++] = pinp(); postfix [16] = 1 101; Fried ("In portion expression: 15/n", parti Output: Enter the infla expression: A+B+C+B-E Postfix expression: 45+CD *+E-

Pom 2: - Postfix Evaluation Cade. # molule 4 stdin. h>. int stack (20); Int top = -1; void push (mit x) Starch [++top]= 72; int pap () Seturn stack C - - top] ; int main () -Char exp [70] char * e; int a, b, c, num; printy (" Fater the expressions :: "); scanf [" 1.5" exp); e= exp; while (* e! = '101) y (is digit (*e)) num = *e-46; push (mum); else f a = 6000); b= pop(); muitch (*e)

ş cax 't': c=a+bi c=a-bi men; c= a * b; C=a | b; mech; push (c)i prainty (The remut of expression is 1.5 = 1.d. exp, pop()); 4

	1030
	4.2
A. Faire	
victori,	
Sector the expression: 12* 34*+ The result of expression 12* 51	5-
11 a 44 - 114 0 0 0 0 0 0 0 0 0 12# 51	1++5 = 59 .
The result of expression 12 3.	1 13
- 8	
42.	
4) 103	
10	
985	

Lab 3 pragrams: Quene:-# unclude cottaio.h>. # define MAX SO int queue may cmax ?; int reas = -1; unt front = - 1; display () [4 (front ==-1). prints ("Quene is empty \n"); else print (" (num is :/n"); for li= front; i crear a ; i++)printy (" Y.d", queue array (i)); y minty ("\"); int choice i while (1) minty 1° 1 smeet (nº); minty (2 Delate In); prints ("A- But In");

prints ("A- But In");

prints ("Finter your Choice In"); Scand ("Y.d" "Ech); Smitch (ch)

varid delute (). q (front := -1 H cerr := -1). printy ("blades from"); elocial (front == (em) frmt = rem =-1 " pring 1. Hement to be deleted: " green (front); 1. front + +; Circular quene: # include < statio h>. # define MAX SD 1 int queue [MAX]; unt front = -1; int ren =-1; void enquesse (); roid dequeue D; void display (); veid main (). jut chi mille (1).

```
mint (" 1. Indet (it)
    print ("2. beginne 14");
   pring ("3. Display 14);
    printy ( 4 Exit /4);
    prints ("Enter you choice In");
    Scanf ("y.d", Lech),
9 mutch (ch)
        cose 1: enqueue ();
              beali
        cose 2: dequere ();
              breek;
        com 5 display ();
              break;
       default: print ("Imalid");
void enquere (int x)
   if (is full ()) (front == -1 & h rear == -1).
        prints ( anews is full / ");
    else
       y (front = =-1)
        Front =0;
        rear = (rear +1) v. MAX;
        Vim querie [rear ] = eterz:
    4 prints (" unsisted "1.a", ~ )i
 4
```

void dequeue () int ai if (is Empty () (front==-1) (em ==-1) print ("Empty"); elotif (front = = rem) front = rem = -1; ele & print ("T.d", "Element to be deleted vs. gnene (frmt)); front = (front ti) Y. MAX; void display 1)int i=front, infor (front = = -1 & & rear = = -1). prints (Moderfrom) Une. 8 mint (" Que is : "); while (i) = rem). printy (" v.d., quene (i)); i=(i+1)y-MAX; prince ("Y.d", quene Trears);

	OUTPUT:
	The state of the same of the same of the state of the same of the
	1. Enquene 2. Dequene 3. Display 4- Exit
	Suter your choice:
	Suter the noumber to be inserted into the greene
	1. Suguene 2. Dequene 3. Display 4-Exit
	Enter your choice: 2.
	hoter your choice :3
4	Quene is empty.
4	7. Jul
9	"Hilly
	The second of th
	- Andread to the A. A. Start
	and the first of the prince

Date 11 January las 4 programo: Sungly Linked List # include Cotation > . # include < Ptolip. h). typedel struct node & int date; struct Node * next; Node + head = NULL; word proh (); void append Oi world insert (); void display (); wied main () int chi white (1) print (" 1 Horaut at beginning In"); prints (2. I ment at end (n -); printed ("3. I must at position (nº); print (" 4 supray ("); printy ("s- suit (n'); print ("Enter choice : "); scant (.v.d. em); suiter Cha cose 1: push (); " meal ;

void display () Neds * 1 emp1 = headi while (temp! == NULL) print (" "/d ->", + emp 1-> dalla); minty (-NULL"); DUTPUT: Luter Charie :1. Enter data in new node: 0. 1. Insert at beg t Insert at end moent at por ' 4. Display. Suter choice : 2. System dosa : 1. Enter position of new node: 1. 1. Insert at beg 2. (noest out end 3: Insert at pso ' Sul Suster choice : 4-0-> 2-> 1-> NULL .

Date B. 91 las &:-Linked but code: Delete & Display # wichele coldie is # include Litalibins. struct node int data i struct nade + next; void meet 11 (atrust model * start); void display (struct node * stact); unoid pop (attent node ** start); void and delete (struct node * * start); usid end delete at pos (struct node " " street). void free list (street node t start); int main (void) street node * start = NUIL; int option; prints (" In In + * * * MAIN MENO *** "); print (" In 1: (reste a list "); printe C' In 2: suplay the list "); parinte ("In 3: Delete a node from the beginning 1); print ("In 4: selete a node from the end) prints (" In 5: selete a node from aprific poster printf (" \ n 6: Exit"):

print((") n Enter your option: "); scart (" " d" (option); suitch (option) case 1: create 11 (& start); prints ("In kinked list weeted"); case 2: display (stort); break; case 5: pap (h start); const 4: end delete (& start); break; delete at - pos (& start); brechi cone 6: free fist (start); breit; I white (aption 1 = 1); return 0 i

```
atruct node * ptr = * atant;
 struct node * ptrl = NULL;
  ruhile (plr -) next (= NULL).
       ptr (= ptr;
     ptr = ptr -> next;
  if (ptr !! : NULL).
     ptr 1 -> next = NULL;
    ·tru you);
else.
    free (pts):
    * stort = NULL)
void delete at poo (struct tipole + stout).
  if (* start == NULL)
    print ("dist is empty in");
    returni,
 int Loca
 prints ( In when the location of the rack which
           has to be deleted : 1);
 scant ("Y.d", k (oc):
 object node + ptr = + start ;
 atruet rade * ptr 1 = NULL
```

	Date	
H	: selete from end	
· :	selde hom specific contin	
E.	Solde from apricific position: 1 EXIT in option: 3: A Display: 2 3	ч
	**** MAIN WENU * ***	
	Speak a list	
	Display the transfer that	
3	: beute (by)	
4:	Delate end	
S	Delete specific position Display: 2 3.	
- 4	* * * * MAIN MENU * * * * *	
	create a list	
	Display	
5:	delete from beg	
4:	kelete from and	
51.	delete from specific position	
6:	Lixt	
So	oder your choic: 5	
181	were the botation of the node which has to be	
	deleted 12	
		_
10	inptag:	
	2 · 1/2 C= 1/2 lay c= 1/2	
000	Tarat 4 P Day Call	_
7	Tan = 1 2	-
6	M/DM.	200
1/4		
	the state of the s	
	1 : 5 100 10 11 15 15 15 15	

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LEETLODE: beversed linked but: struct hist role * remarkatureen (atout bist wade * here in left , int right) ! struct bade histnode " 1 = head; Street historde * r = head? int difference = right - left; if (left == right) & Networn head; for lint i=0; i clyt-1; (++)-1=1-) next i fr(int i = 0; i crignt - 1; i + +): (= 1-) next ! printle (" /dln/dln", 1 > val, + > val); white (difference > =0) Ult temp = 1 - val; 1-) val = r-) val; 1-3 ral = temp; 1: 1-> next; 121; for (int i=0; i codifference -2; i++) r=r-)next; difference = 2 y . when herd;

WEEK 6 !singly limbed list : port, reverse & concatenation. # winde (othio. 4). # millede c stallib. h>. # melide Lotabrol. h. . typedel struct wade & . ant data struct node * next i I wast, node + head = NULL; node * head = NULL; rist count =0, word risert (rut date, rut position); upid delete (int position); uoid display (); upia sort (); word remove ()' used contact (mode * * head 1, node * * head 2); int main () int date main pos; printy (" 1 Insert In 2 Delete 3 Exit In asia! scanf ("7.d", & choice); while (chiral !=3) if (choice = = 1).

prints ("Suter data and position: "); scant ("1.4" d" , & data, & por); unsuit (duta, pos); prints (" Count: "d/n", count); else if (therie == 2)prints (" suter position :") scant ("1.d", & pos); y minty ("count: "a/n", count); selete (per); display (); printy (" Sinder choice: "); prany (" 1. d", t droice); prints (original finded list: \n+); display (); sort (); prints (sorted winded display () Leverse Di prints (" ceres linked ist "To"); display (); head ? = head i unsert (3,6); insut (4,1); ment (1,2); display (); coment (& head), I head head = head 1 i

prints ("concatenation with the above lived in setner 0; grien: \n'); void sort (). me i, j. min inder; node * i node = head, * j node = head, " min house for (int i=0 / i count-1; i++ i note: note if (j. node -) dala (1. node -) date). min . I rdex = j; y nun node = j node; if (min_index != i). int temp: i node + data i i node - data = temp i word namers () node * prev = NOLL, * next = NOLL; white cheed ! = NULL) - 1 heat = head -> next 1 had - next = prev greve head,

Trace herd = next; y head : prev; 4. raid conocat (node * " head I i node + " head 2) hade * temp 1 = * had 2: while (temp 1 -> next != NVII) temp 1= temp 1 -> next; temp 1 -> next = * herd 2; TUTPUT: Original Rinked list: 2 1 4 3 5 -Sorted lunked list: 1 2 3 A 5. Reversed linked int: S A 3 2 1 3 H 1 Concestration with the above linked int give:

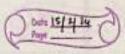
STACK USING LINKED LIST: -# melude Ladio.h> It milite cot dlib. h>. # melle < stdbool- h> typedy struct Node & int data; atrent Node * next; near heid: NULL int count = 0; void mout (int date); int delete (); noid display (); int main (). unt date, choice, por, print (" 1. Insert In & Delde In 5- Sent In Chia!" scang ("/d", Echoice); reliate (charice 1=3) if (choice = 1). ming ("Enter data :"): scanf 1 " vd", kdutu): moset (data); prince ("Count : v.a \n", count);

chil (choice == 2) prints ("Count : 1/d/n", count); display (); print ("Suter choice: "); scanf (" 1, d", & choice 1; retrus 0; voice mosent (just date). hade * new node = (node +) malloc (rige of (riske)); new-node -> date = date; new node - next = head; I want herd = new-node; Count ++; between; void display () note + temp = hend; print (" stack : "); while [temp -> next != NULL] printf ("V.d", temp -) date); fump = temp -> next pring ("Y of , temp 3 - date); 1. Mint (1/17);

WEEK 4:-Donby linked list # melle Estelio. h>. # include Cotallib. h> # michael cstabort hs. typedy struct Nade of int data; struct Node * next; struct rede * previ 4 node; node + head = NULL; int count = 0; void insert (int data, int position); void delete (int element); do id display (); int main () f. print ("1. Insert | n 2 belote In 3. Exit In Choice" scant (1. 1. d., & choice). while (dishe!= 5) { if (choice == 1) & print (" truer data and position: "); scanf (" /d /d", & date, bess); uner (data pos); princy (" (mint: Y.d) no, count); y else if (choice == 2) & printf (" Futer element :");

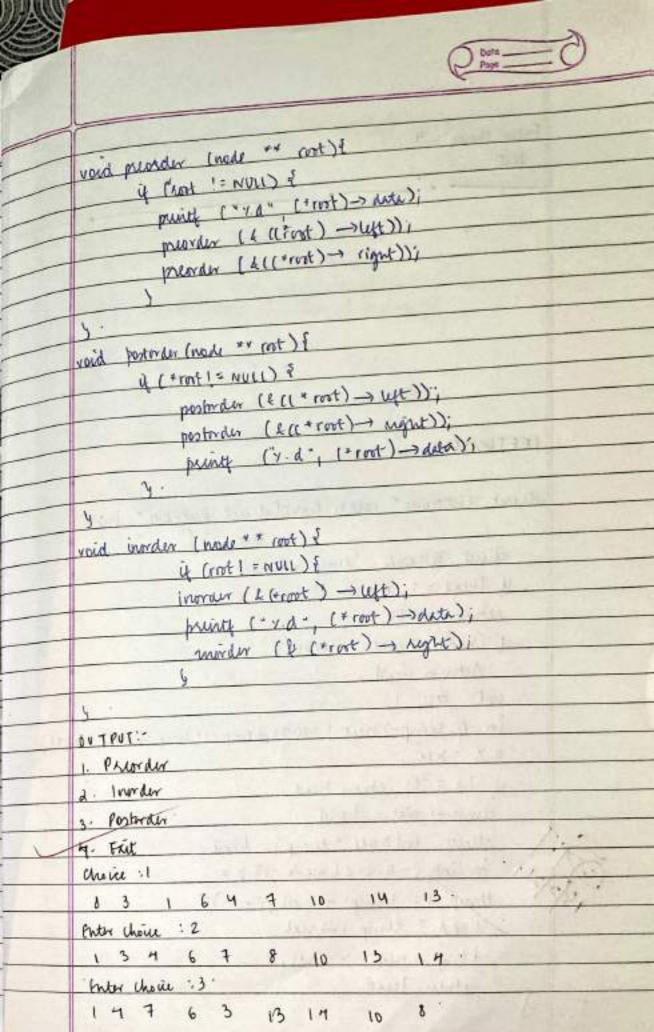
scant ("V.d", & pos) delete (pos); print (" count : v.d \n", count); display (); printf (" Fider Choice:"); scanf (" x d", tchoice); letrun 0; Void mout (int date, int position) & 4 (position = = 0) {. node * new made = malloc (size of cross) new-node -> deta = data; new_nale -> next = heed i new node -> prev = NULL; if I head I = NULL) head -> prev = new mode; hend = new node; count tti retrun: I else if (position == count) & node + new mode = melloc (size of (mode)); her mode -> dute = data; new_node -> next = NULL; node + temp = head; While (temp -> next! = NVII). temp = temp > next; temp -> next = new node; new nade -> prev = tags; return; else y (position > count 11 position <0) {

temp = temp -> next; temp - prev = NULL; fra (herd); herd = temp ; count -- ; 4 else if Costain == count - 1) f. node + timp = head; for (int i = 1; i count - 1; i+t). temp = temp -> noct; node temp1 = temp -> next; temp > next = NULL; hu (temp 1); wunt -- 1 I she it (position recount 1) position <0.) f. minity ("Unable is delete at position) "); return: I else the out would in young node + temp = herdi for (int i=0; i/ position ; i++). temp = temp -> next i temp -> next -> prer = + emp -> prev; timp -> pres -> next = temp -> next; free (temp): Count -- ; rutur; void display () § note + temp = head ! print (" linked hit ! ");

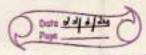


-	WEEK 8: BINARY TREE .
	# include c stallie . h)
	# include Lataluto . h>
-	# include Catalogod.h> "
	The second secon
	trypidely struct pupole of
	Tut data;
	struct Hade * left;
	strut nede " right;
	y node j
	node * noot = nun;
	noid must (node ** nort, mit data);
	noid preorder (node ** nort);
	und postorder (unde ++ nort);
	usid morder (node ** not);
	Mark to the second second second second
	int runin ()
	Constitution of the contract o
	nut data;
	moent (be most, &);
	wart (Lint, 3);
	visur (krost, 1);
	insert (krivet, 6);
	insert (l root (4);
	ingent (Atotot, F);
	usent (4 vort, 10);
-	insert (& root, 14);
	wout (k sort 13);
	printly (1- Precendented - Inserter In s. Postrodon) & 4- East :1
	mind ("Finder your choice:");
	0

scant ("Y.a", & chrice); while (choice != 4) §. if (choice ==1) [meorder (4 rost); minty ("In"); eps if (unoise == 2){ mirder (& root); print ("In"); I also if (choice = = 3) { postorder (krost); minet ("In"); printy ("Forter choice"); scame ("xd" & choice); (m. 24 show) relieves head und insert (made ** nost, but date) { 4 (+ vost == NU()) node * new node = mallor (nixo) (node)); new_node -> date = date; new nede - ment = NULL; new made - left = NULL, + unt = new_node; y (doh c (+ ront) → duta) { insert ((((* root) > left), deta);) clot y (data > (* root) -> data) { mout (L((+root) -> right), due) of Uhrlm'



Enter choice: 4. Exit IFFTUODET" struct list Node + retar light (struct historial + hard, int wit stient bist wale "temp - herd; if (herd = = NULL) retrum NULL, if (here -) next == NULL) Netrun head; int hiz=1; for (; tump -> next ! = NULL, + simp = + tump -> next, size ++); LY = 8124; if (1 == 0) return head; temp -> next = head; struct list Node + temp 1 = head; tryop 1= + temp1 -> nat; i++); head = temp 1-) next; fempl-s next = well; Jetin heid; 11 11 81 6 8



week 9 ; i) Iranerse a graph using Bes method. # include < redio. h> = include = stalib -h > -# include Estabort. h>. # define size ? . used push (int a); int pop() i word display (); used by (int graph [] [7]); int fpos = -1, spos = -1; int queue [size]; int main () { int adj matrix [7][7]= [10,1,0,1,0,0,04, {1,0,1,1,0,1,1}, 80,1,0,1,1,04, 11,1,1,0,0,0,04, 200, 1, 0,0,0,14, do,1,0,0,1,0,03, for (int i = 0; i < 7; i ++) guene [i] = NULL; bfs (adj metriz); y ... D; und by Lint graph 13 173) & int misited 173;

```
for (unti=0; i =7; c++)
   usited [i]=0;
    push (o);
   usited [0]=1;
   while (fpor! = size) {
       for last i=0; i <7; i++) &
           if (graph (queue (fpos)) [:] = = 1 4 4
                     minted [1]= 1) &
            push (i)i
            misited [1]=1;
upid push (int a) {
    y (fpor == -1 4 & spor = = -1) }.
        queue [++rpor] = a;
       fpor ++ i
        return;
else if (rypes == dize-1) &
      print ("Puere Underflow condition \n");
 int n = quere [fipes ];
  quene ( fpor ] = ( int) NULL;
  front+;
hoid display (1) $
   print ("Queue:");
   for (int i=0; i crize; i++).
```



BEL Traversal:

print ("1.d", queue (1.1);
print ("\n");

0 0

Output:

0 1 3 2 5 6 4 4.

b) DFS method:

include (stolis h)

include Estalib. h>

include Lotaboot. h>.

define rige 7 "

int por =-1;

Tent stuck [size];

usid push (int a);

int pro();

void display();

int main of

int adj-nutrix [+][?] = &

20,1,0,1,0,0,0%

80,1,0,1,1,1,03,

11,1,1,0,0,0,14,

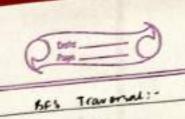
20,0,1,0,0,0,13,

30,1,1,0,0,0,0,0

10,1,0,0,1,0,03,

57

```
for lut (=0; ( 67; ( ++)
    weited [1]=0;
    push (o);
    united [0]=1;
   while (fpor! = My) f.
       for last i=0; i 67; i++) &
            if (graph [queus [fpes]] [i] = = 1 6 6
                       month [1]= 1)5
              push (i)
             visited (1)=1;
upid push (int a) {
    if (fpos == -1 & & spos = = -1) }
        queue [++ rpss] = a;
         fper ++ i
         return;
 else if (coper == size-1) &
        prints ("Queue Underflow condition (n');
 int n = queue [fgos];
   queue (fpos ] = (int) NULL;
  box ++;
heid desplay () f
   print ("ours: ");
   for (uit i = 0; i crize; i++).
```



print (-1.d., queue (1); prints ("In")i

6

Output :-0 1 3 2 5 6 5 4.

b) OFS method:

include Estalio. h > "

include Estalib-h>

include Lotaboot h>:

define rige ? int pos = -1;

int such [size];

used push (int a);

int prol); void display ();

void als Tent graph [] [7]);

int main Of

int adj-nutrix (+)[7] = &

20,1,0,1,0,0,03)

11,0,1,1,0,1,14, 20,1,0,1,1,1,03,

11,1,1,0,0,0,14,

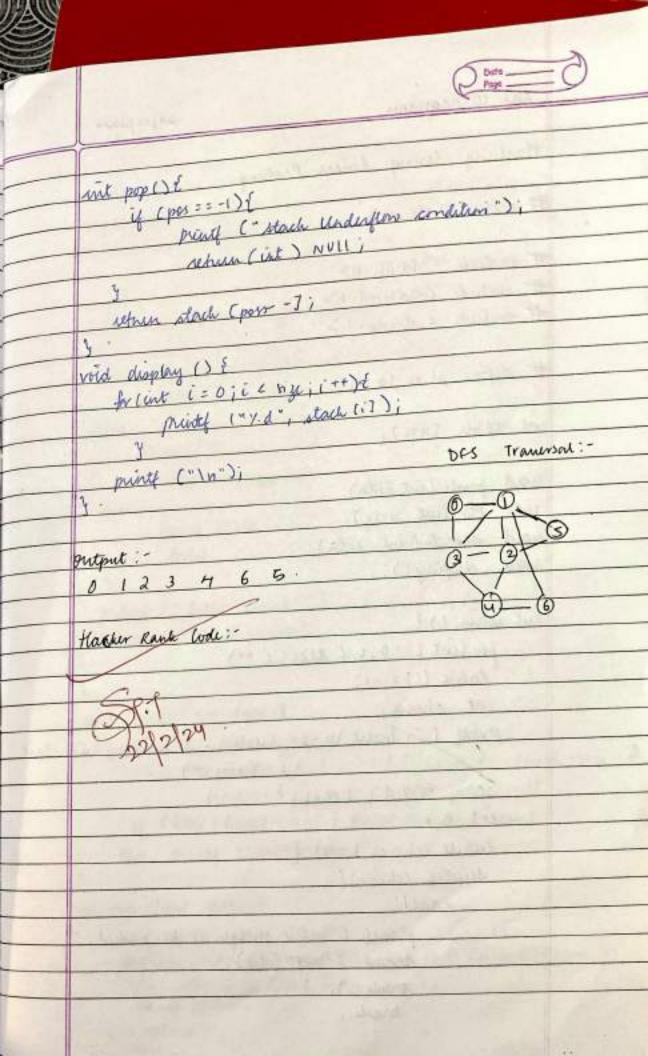
20,0,1,0,0,0,14,

70,1,1,0,0,0,03,

10,1,0,0,1,0,03,

5;

```
for (mit i=0; ic 7; i++).
  stack [i] = NVLI;
  df (adj netrix);
  return 0;
hord dfs (int graph (1177) E
   art moited [7];
    for lint i=0; i = 7; i++)
   rusited Cil=O;
    while (pos != -1){
       book now node = false;
       for (int 1=0;167;1++) }
          if [ graph [ Stack [pos][i] == 1 & 4 winted [i] ] == 1
          new-hode = true;
           push (i);
           nisited (1)=1;
          printf ("1.d", i);
           break;
  Fif (!new node) pro ();
word push ( wit a) {
   in (por == 12e-1) {
      print (" Stock Breeflow Condition");
     sithin;
 stack Ertpor 3 = a;
```



29/02/2044.

used push (int data);
unt pop (int data);
usid search (int data);
usid display();

Lab 10 programs:

include (stais h)

include (stally . h)

include Coldbort. h>.

include cotring. h)

define size 10.

int table [nze];

Hashing Using Linear Probing

for (int i = 6; i & suze; i ++).

Cable [i] = -1;

int chain;

print ["Insert \n 2 - selete \n 3 - sisphay \n 4 - Suit

scant ("1.d"; barow i int a; where (choice 1=4) 4

switch (chaire) {

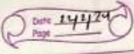
private ("father integer to be probled:"); search ("/d", ha); probled;

break;



mard: princy (" Sorder integre to be popped: "); scant ("1d", k a); int us = people); 4 (10==0) printly ("Integer popped ("); else prints (Integer not found ("); cons: display (); breek; defoult: prince ('Idh"); privat (" Inter chine "); scanf (" " d", & choice); used push [int data)? int hash: date Y. size, while (table thoush] ! = -1 & I hash &= thash + sou-1) hash = = (hash +1) Y- size; if (table [hash] == -1) teste than I a data; else prints ("Jable is full"); int gop (int data) & Jut hash = data Y. Size; for (int i = 0; table [hash] ! = data) 11 (i conte); i++, hash = (hash +1)" size); faste [hash] =-1; return o; 4 return 0

Void diplay () & printe ("Table: "); for curi=0; (sign; (++) print ("Y'd", table [i]); ming ("In"); OUTPUT! 1: Insert d: pelete 3: busplay 4: Fait Chaire:1 futur virtiger to be pushed: 12. choice : 1 Enter integer to be pushed: 23 choice: 1 Enter integer to be probed: 45. Ender integer to be pushed: to: china :1 Enter integn to be purhed. It. thrice ; 2 ' fater integer to be propped: 23. thru a finter integer to be perposed: 71 Integer proposed. Enter chora: 3. Table: -1 -1 12 -1 -1 45 5-1 -1 Enter chorice : 4 hat .



lab 9 Programs: -Hacker Rank: struct node & int data; struct node " left; shul nade "right; street rade " create hade (int not) { if (unl == -1) { Letrus NULL; used inside (struct node + nost) & 4 (! sot) { inosolir (nost -> left); print (" " d", not - data); i nover (root - right i int mex (int a int 5) { 4 (ass)f when a, when bi void enquere 1 struct node ** queue, struct node + goot) & quent frail] = not; tail ++; int main 1) { unt notes count, i, temp, h, to num, indo, inc. temp 1, + emp 2;

scarf ("y.a", 4 nodes count) struct node * not pum, * not lemp; Street rade of I node count 1; for li=0; i (modes count; +++) & 1 [1] = NULL; subile (to num) & scanf ("1.d", line); sump rade at level (suot perm, inc. 1, 4); morder (not perm); print (")n"); te num == =; return 0; Dutput: support " -Input :-