D. Vamsi brish no H- transpiece H AP13/10010095 CSE-G element at the 1th and 1th position in a lented list where a and k is taken from user. # include < stdio.h.> # include of stalibility smuct node? ; babban Skut Noble never!; struct node thead; insert (int douba, int n) } node \* temp = neumale, petral = otal - quest Jemp - rext = wull;  $\begin{cases} (n = = 1) \end{cases}$ Jemp - trent - head; head - ramp; ; mader usid delete (Pro 6) 9 Should rade " demp: heard; Load: Samp -> next; free ( damp);

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notion"
Node " damp - Load;
  Pol (674 120. 1 × 10-0, 1+4) {
 lomp: domp -> reset;
 ; domp - revert = temp - heret;
  framp - roset = fromp;
  " 1) forced point (1;
   B(int 120; 126-0; 144)
   temp = domp - rest;
     the (demp),
      head: Null?
    print + (" Enter the position of insenting");
     Sount (" 1.d", In),
    Soon & (" V.d", 6 m);
   Insert (n', n).
pront ("tale the position to delet );
    Scom A ( M./d" & E)
```

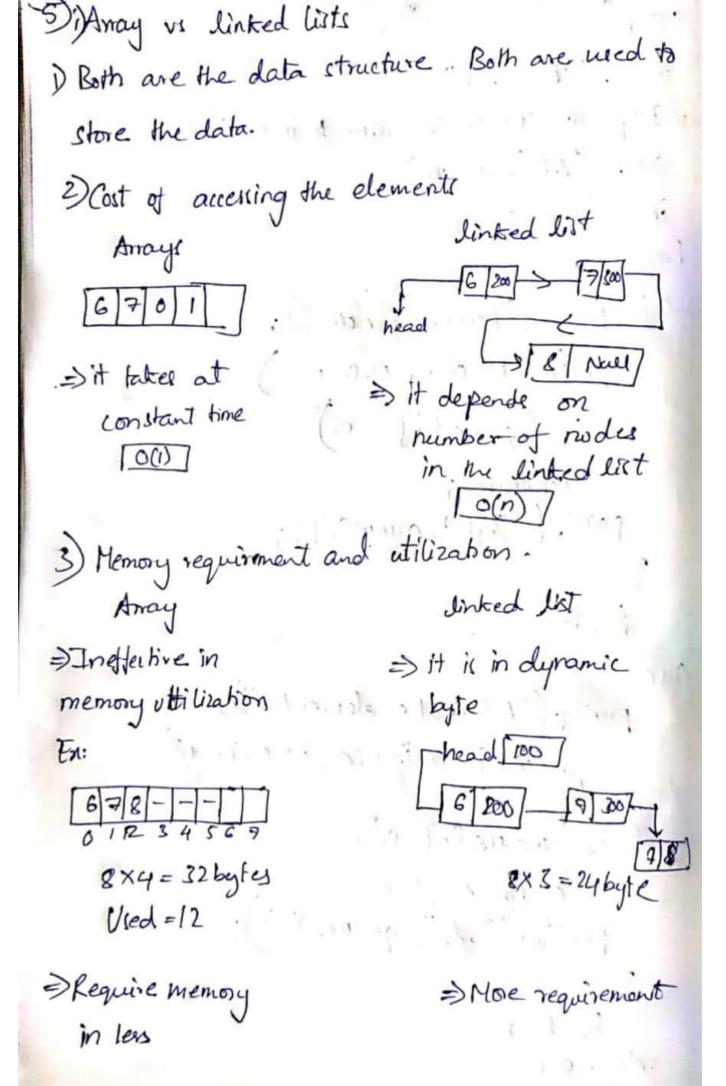
Johan; 2) onshwel a new linked list by mergung alternate rades of two lists becample, in list 1 [1,2,3] and in Josef 4,7,63 in row los cos should have & 1,4,2,7,3,67 obelon & stdio, N> # moled <1th b. wh smuch mode } ind doto; . Esser a stoom towner (board relover turner) and boton losser ¿ print + (" 1 d -> " (ph -> data); ph = ph - next; pront of (moull (na)) ( stob bis, boned & closhowste) hang book Sout rools " new = ( soud rools ") nalla CI; ER of (smed rods 1); new -> doso = doso" new treat a though. so heard : New;

Bright Carper Bright about 1 able forms smut rob take; smid roots pro = popes; take red - rull: whole (1)? if (assnull) for I - brent - b; tous + level = a; E town L Duot p: lud Poiso shert & b. How state week

int keys [] = [1, 2, 3,4,5,6,7] int n = size of (key1)/size of keys[0]. struct node \* a = null; \* b = null; for (int i=n-i; i>o; i=i-a) push (& a, keye[i]); tor (int i=n-2; i>=0; i=i-2 pun (26; keggi)); struct node \* head = merage (a, b); print list (head); 5) Find all the elements in the stack whose sum is equal to to. A) H include <stdion> void find (int an[], inta sint k) ? int total = 0 int x=0, y=0; 1 (xx0)/xqa,x++)/2 while for (x=0; x ca, x++) { while (total Ck, Gl yca)

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reburn; ]
 total -= aw [x];
int main (void) {
  int ar [] = [9,10,12,4,1,2]
  int k = 565 ;
  int a = size of (am)/size of (am(oj));
 find (aw,a, t);
  return O;
            Andr ill to dear to all
4) # include cstdio.h >
  # define size 20
  void invest (int) is
  void delete ();
  int que ue [20], a =-1, b = -1)
  void main() {
  int num ; choice;
   while (1) }
   printf ("In O New In");
   printt ("1. insert \n 2. delete \n 3. Print)
         In 4. Reverse In 5. Alternate In G Frist),
     print f ("In Enter your choice").
```

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scant (% d', L choice);
  switch (choice) 5
case 1: printf ("Enter the num to insert:");
   scanf ( Id, brum);
   incest (num);
  break . j.
case 2: print + ("Reverse que ese");
     for (int ) = cizes iso, i--)
     it (queue [i]==0)
         continue;
      printf (" %d", queue[:]);
 Case 3:
     print + ("Alternate elements ");
        for (int i = 0, PCsize, i >0, i++2)
   Z it (que re [i] =0)
       print f ( "% d", queue [i]);
   return 0;
```



9) (at of insertion and nost of delation linted list Array Begining - O(n) 0(n) Atend-O(1) ith position - 60(n) S. Easy we and operations -> easier to we -> linear and linear binary (ii) # include <stdio.h.> # include (stdlib.h) int len(int(a()) int 1=0, x, y=0 while (1) 74++,9++; break

 $\frac{2}{1}$  int  $x[10] = \{1,2,3\}$ ,  $a[10] = \{4,5,6\}$ ;  $\frac{2}{1}$  change  $\frac{2}{1}$  list =  $\frac{2}{1}$  (a 1b);