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<u>Lab-2</u> 21/12/23
D Surffing Using Pointers
                                         This stay
 # include 2 stdio h>
 # irilide < Stable.h >
                                         mil that
 word such (int + a, int +b)
    int temp = + a;
       *a = +b ;
      * b = temp i
 ist main ()
    int a = 3, b = 4;
     print [" Unlues of a and b are %od %od", a,b);
      suraf ( &a, &b);
      briedt (" Walner after surphing in %d %d 1, a, b);
authort - Mahuy of a and b are 3 4
           Ushues after Suspping in 43
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3 runery Alleration (maller, labbe, realler)
# inhade < statio. h>
                                                    or a medical production of
# vilude < Stalib . h >
                                                    ex dilling a dispen
 int a size = 3
                                                       and walled
 int main () {
   int our = mallor ( size + size of (int ));
                                                     fort father the
   int + avr2 = valloc ( size, sized (int));
   fried (" arr and orr 2 was store %d integers", Size ();
   nealler (our, 2* size + size + size (int));
   hrintly (" In Gan now shore % of integers in our and % of in arrilly"
    2+ size, size);
    ans 5[1]=1: par (vit i =0; i \ sièc i i +4) {: 4
                                             issent tide, Edwich:
    for (int i=0; i 42* size; i++){
                                                3 ( ) = [ world ] while
        ass [i]=0;
                                               Smith ( brice) (
     printy (" ora: ");
     for (int i=0; i< ≥ 2* size; 1++){
                                           print (" take integer
      print [ " % d ", am [i];
                                            (1 2 " 1 3 " ) [mais
                                                    ((a) Del
    britty ( " In ass 2: ");
                                                       (Anth)
    for (int 1 = 0; 1 < suize; 1++) {
       brist ( " % d ", or [i]);
                                                  (1) tol = a star
                                   - beflet regal " Hind
      free (ars); free (ars2);
     return 0;
                                                   County to
Putput - arm and arm 2 han store 2 integers
                                                     AND I
         can now store 6 integers in our and 3 integers in our 2
         व्या : 000 000
         ars 2: 111
                                                    The Late of the
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Produce and their doct to level

Land Har And to

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restation ( maller , taller , resulter
 3) Stack Inflementation
                                                           CH. 8/19/2 A
# irelude < stdio . h>
# victude < Stalit . h>
                                                                6 -192 6
# define size 10
 int her =-1;
                                  ( ( six maller ( six + singer ( lit ));
 int orthogy [size];
                                   in one callee ( size, suged (in ));
  word fush (int a):
                         seguine be state now s' doo boo rees "I think
  int hep ();
                                   ((10) bight + high (110) some
   world display (): no reason is regular to it stall was now of ") there
    t main () of
brinth (" 1. Push In 2. Pet In 3. Display stack In 4. Exit In Enter chair.").
  int moin () of
     Seary (" % d", Schoue);
                                     (4) (4) (30) 162 Auge; 1++) (
     while ( chorice ! = 4) {
                                                   10 -[1] RAD
        Switch (choice) {
                                                   ( " areto ") thirth
       Case 1:
        brint (" Enter integer to
                                    1 (4) ; agich 4 ( # > ) ; 0 = 1 div) tol
                                    he hushed " ); " bog " ) thing
         Scary (" % d ", & a);
         hush (a);
                                                i (" : creso of " ) found
          wreak;
    case 2:
                                        ] (++1; said = 1; 0 = 1 da) 10
                                         (((i) 100 . " b it ") Hours
       a= pop ();
        brish !" Integer hopped = % d in ", a); ( and ) sold
     lase 3:
           display ();
            break;
                                     will not state the and
     print ("Enter whoise");
                                     lugition of arets wan now
      scarf ( " % d ", & chaire);
 word push (int a) {
            printly (" Stock averflow Goodinin");
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retion;
    Stock [++ fos] = a;
 int hop () {
    if ( has==-1) of
     you print (" Stock Underflow Condition");
         noturn (int) NULL;
     networn Stack [ hos --);
 word display () {
    pr (int i = 0; i < size; i++) {
       printy 1" %d", starte (1);
       brinth ("In");
author -
 1. Push
 2. Pep
 3. Display
 4. Exit
Erter choice: 1
 Erber integer to be fushed: 3
 Enter where: 1
  Enter integer to be pushed: 4
  Enter 🗷 choice: 2
  trager bothed: 4
  Edu chaice: 1
  Enter integer to be pushed: 5
  Eden viole : 3
   320000000
   Enter charice: 4
```