```
Q: Implement push, pop and find the ninimus element in a stack in O(1) time complexity.
  complexity.
  # conclude < sfdio. b7
   # include < conio. h >
   int stack [100], support_stack [100];
    ent push (int element, int * top, int * stack)
            * top = * top + 1;
stack [* top] = element;
     int pop (int * stack, int * top)
                                                        Sunday
          ut element;
y(*top>-1)
                                                           274-91
                element = stack [*top];
               *top = *top-1;
echien element;
                                                  8 9 10 11 12 13 14
                                                  15 16 17 18 19 20 21
```

```
Tue 10 in main ()
                                                                       while (choice! = 5)
                                                                                                                                                                                                                                int choice, element, top_main = -1;
                                                                                                                        print (" Enter the operation in");
                                                                                                 geary (" %d", & choice);
                                                                                                                                                                                                    int top_support = -1, i, supp_pop_eliment
                                                                                                                                                                                                                                                                                                                        returns - 99999; "muche nothing is
                                            d (choice ==1)
                                                                                                                                                                               pop- dement;
scan ("%d" & element);
```

else . (choice = = 2)

else of ( top\_ support = = -1) if ( top\_ support > - 0 88 element < support stack[topsor push ( eliment , & top\_main, main\_ stack); , push (element, & top\_ support, support\_ stock) , push ( element, & top\_ support, support\_ stack);

pop-element = pop( stack, & top\_ nain);

If ( pop\_element ! = -99979)

Al ( pop\_element ! = -99979);

pont(" \n Oypred elemt : ".d", pop\_elent); if (pap-element ! = -99999) if ( pop- element == support\_stack ( tops-you Supp pap elect = pop ( support stack, & top-s-1)

elu y (choice = = 3) e if (top-support >-1)

printy ("In Min elent = %dln", support shelltpsy)

printy ("In 9TACK EMPTY");

printy ("In 9TACK EMPTY"); else if (choice = = 1) el (top\_main>-1) point (" to MAIN STACK In");

soi(i = top\_ main; i>=0; i--)

{ 3 pmnty (" lo%d", stack [i]); pronty (" In STACE COMPTY In");

pronty ("In top\_support = %d', top\_support);

for (i = top\_support; i>=0; is\_N\_) w 1 = s

15 16 17 18 19 20 21. 3 bout ( 10% 9a dacklis)

print (" In Enter the operation: In I Push In");

point ("In 2. Pop In 3. check minimum in 4. See full steets);

point (" In 5. STOP In");

scanf (" %d", 2 choice);

setuen 0

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